



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Acton Mickelson Environmental 5175 Hillsdale Cir El Dorado Hills, CA 95762

Date: 14-JUN-06 Lab Job Number: 187024

Project ID: 16017.01

Location: Former GA-Pacific Sawmill

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by:

Manager

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NELAP # 01107CA

Page 1 of 187



CASE NARRATIVE

Laboratory number:

187024

Client:

Acton Mickelson Environmental

Project: 16017.01

Location:

Former GA-Pacific Sawmill

Request Date:

05/23/06

Samples Received:

05/23/06

This hardcopy data package contains sample and QC results for seventeen water samples, requested for the above referenced project on 05/23/06. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):

No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):

No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

High response was observed for hexachlorobutadiene in the ICV analyzed 05/01/06 18:57; affected data was qualified with "b". Low response was observed for naphthalene in the CCV analyzed 06/01/06 12:41; this analyte met minimum response criteria, and affected data was qualified with "b". Hexachlorobutadiene was detected above the RL in the method blank for batch 113998; this analyte was not detected in samples at or above the RL. Many analytes were detected between the MDL and the RL in the method blank for batch 113998. Many analytes were detected between the MDL and the RL in the method blank for batch 113998; these analytes were not detected in samples at or above the RL. Hexachlorobutadiene was detected above the RL in the method blank for batch 113999; this analyte was not detected in samples at or above the RL. Methylene chloride and naphthalene were detected between the MDL and the RL in the method blank for batch 113999; these analytes were not detected in samples at or above the RL. Trichlorofluoromethane was detected above the RL in the method blank for batch 114064; this analyte was not detected in the sample at or above the RL. Carbon disulfide, methylene chloride, and bromoform were detected between the MDL and the RL in the method blank for batch 114064; these analytes were not detected in the sample at or above the RL. Methylene chloride was detected between the MDL and the RL in many samples; this analyte is a common laboratory contaminant. No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):

No analytical problems were encountered.

Polychlorinated Biphenyl Congeners (EPA 8082):

High recovery was observed for BZ# 126 in the BS for batch 113866; the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated samples. No other analytical problems were encountered.



CASE NARRATIVE

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05/23/06

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05/23/06

Polynuclear Aromatics by HPLC (EPA 8310):

No analytical problems were encountered.

Metals (EPA 6020 and EPA 7470A):

No analytical problems were encountered.

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YELLOW - Laboratory

PINK - Originator

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PINK - Originator

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YELLOW - Laboratory

ORIGINAL - Laboratory (Return with Report)

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YELLOW - Laboratory

PINK - Originator

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Š	RUSH TAT	870H onfirmation es	Date Time Collected Collected	23%	9220 100 5 CW GB	5/22/2 100 5 6W 6B	5 22/w 1009 6w or	9226 1009 Cow	522 -			Time	0731	(%)			
/ironmental,	Request Form	Preliminary Fax Result Rample Receipt/ Log-In Confirmation Electronic Data Deliverables Geotracker EDF Raw Data Deliverables Call with Verbal Results	Sample ID	MW-42-04 72.06	9,00	. «	42-05 22.06		Temproture			Date	5/23/06	\$ 23 86	***************************************		3W - Ground Water; WW - Waste Water; AA - Ambient Air; WS - Waste (Solid); O - Other ST, PT - Brass, Steel, and Plastic Tube; Tedlar id; HN - Nitric Acid; Na - Sodium Hydroxide; O - Ot
Acton ('ilckeison • Environmental, Inc. ⊠	Chain of Custody and Analysis Request Form	Send Results to: 5175 Hillsdale Circle, Suite 100 El Dorado Hills, CA 95762 (916) 939-7550, FAX (916) 939-7570 Attn.: Jeff Healir / Crace Wills F	Lab ID (LAB USE ONLY) Field Point ID	HW-H	AMU)-H	/ Mw-4	H-MM-H	HW-4.	Temp			Signature	Relinquished by I prove the second	Received by:	Relinquished by:	Received by:	Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; FW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Soild); O - Other Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tedlar Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other

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Send Results to: 5175 Hillsdale Circle, Suite 100 El Dorado Hills, CA 95762 (916) 939-7550, FAX (916) 939-7570 Attn.: √ (Haj) (ovace W///5	Sample Receipt/ Log-In Confirmation Sample Receipt/ Log-In Confirmation Electronic Data Deliverables Geotracker EDF Raw Data Deliverables Call with Verbal Results	Confirmation	Matrix Container Number of Containers Preservative	Sister State of the State of th	EL SINGILADO	
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3. W Reagent Water; S Soil; SE - Sediment; SV - Sul Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other Sontainer; GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube;	utrace Water, GW - Ground Water, WW - Wast V - Soll Vapor, AA - Ambient Air, WS - Waste (I VOA Vial; BT, ST, PT - Brass, Steel, and Plast	e Water; (Solid); O - Other tic Tube;	Project Name and Location:	Towner Georgian	Pacific S	awmill
* - Polythethylene; GJ - Glass Jar, SC - Summa Preservative: C - Cold; HS - Sulfuric Acid; HC - H	. Canister; TD - Tedlar Hydrochloric Acid: HN - Nitric Acid: Na - Sodium	Hydroxide: O - Oth	Sampled him	11, 411	Hecelving Lab: (CV / I/V	COMOK INS
		Hydiodida, O - Cuin	ir sampled by: / ////////	Print Name	Mary Company	

PINK - Originator

YELLOW - Laboratory

ORIGINAL - Laboratory (Return with Report)

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5175 Hillsdale Circle, Suite 100 El Dorado Hills, CA 95762	Sample Receipt/ Log-In Confirmation X Electronic Data Deliverables	atrix tainer Conts	STATE OF THE STATE	
(916) 939-7550, FAX (916) 939-7570	A	Ms Conf	STATE OF THE STATE	
Attn. Jett Heglie (Groce Wills	- Call with Verbal Results		**************************************	
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Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydi	ochloric Acid; HN - Nitric Acid; Na - Sodium	Hydroxide; O · Other Sampled by: / ndwnd S	15 (avrall	as Charl

PINK - Originator

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(LAB USE ONLY) Field Point ID	Sample ID	Date Collected (Time Collected		*		Comments
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Signature	M Date	Time	Signature			4	Time
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Natrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; AW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other Container; GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT ST PT - Brass Shael and Plastic Tilbo.	e Water, GW - Ground Water, WW - Wast Soil Vapor; AA - Amblent Air, WS - Waste (A Vial: BT, ST, PT - Brass, Steel, and Plast	• Water; Solid); O - Other ic Tube:		cation:	MAY Geoglia-	a-Pactic Sawm	will
2 - Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tediar Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other	ister; TD - Tedlar ochloric Acid; HN - Nitric Acid; Na - Sodium	Hydroxide; O - Ot	Project Number:	11100	11 may	Receiving ab: (UV)	+ long KINS
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YELLOW - Laboratory

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Geotracker Global ID $1000479/92$	Ilysis Hequest Form 4591/92	RUSH TAT 24 hr. TAT	48 hr. TAT 72 hr. TAT X 5 day TAT	FAT
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Lab ID Field Point ID (LAB USE ONLY)	Sample ID	Time	Comments	
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Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; PW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Soild); O - Other	se Water; GW - Ground Water; WW - Waste Soil Vapor; AA - Ambient Air; WS - Waste (S	Water; Project Name and Location: FULLY Solid); O - Other	Georgia- Pacific Sauvill	
Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P- Polythethylene: GJ - Glass Jar, SC - Summa Canister; TD - Tedlar	A Vial; BT, ST, PT - Brass, Steel, and Plastic ister; TD - Tedlar	Project Number:	Receiving Lab: Cuttes of Tounghin	N
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydra	ochloric Acid; HN - Nitric Acid; Na - Sodium P	Hydroxide; O - Other Sampled by: // 10 m/0 F C / 1000.	val fame and	***************************************

YELLOW - Laboratory

ORIGINAL - Laboratory (Return with Report)

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Geotracker Global ID / 10/0459/192	291/92		_	I. IAI X 3 day IAI
Send Results to: 5175 Hillsdale Circle, Suite 100 El Dorado Hills, CA 95762 (916) 939-7550, FAX (916) 939-7570 Attn: Jrff He liv //war / 1/1/1/5	Preliminary Fax Result (5 10 2) Sample Receipt/ Log-In Confirmation Electronic Data Deliverables Geotracker EDF Raw Data Deliverables	Matrix Container	Preservative solves of the servative solves of the ser	
Lab ID Field Point ID (LAB USE ONLY)	Sample ID	Time	**************************************	Comments
	MW-5.8-0522 06	22%	×	* 1 Mitals dissolved
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Signature	Date	Time Signature	Date	Time
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Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; PW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other	se Water; GW - Ground Water; WW - Waste Soil Vapor; AA - Ambient Air; WS - Waste (§	e Water; Solid); O - Other Solid); O - Other	ation: Former Georgia- Pacific	Sowmi //
Sontainer: GB - Glass Bottle (Amber); V - 40 ml VOA Viat; BT, ST, PT - Brass, Steel, and Plastic Tube;	A Vial; BT, ST, PT - Brass, Steel, and Plasti lister: TD - Tedlar	ic Tube; Project Number: 16	O 17.01 Receiving Jab. Curtist	extro Tompkins
Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydro	ochloric Acid; HN - Nitric Acid; Na - Sodium	Sampled by:	reall	(and
			Print Name	Signature

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Send Results to: 5175 Hillsdale Circle, Suite 100 El Dorado Hills, CA 95762 (916) 939-7550, FAX (916) 939-7570 Attn.: ☐ ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ← ←	Preliminary Fax Result (\$\forall U \in \text{V} \) Sample Receipt/ Log-In Confirmation Electronic Data Deliverables Geotracker EDF Raw Data Deliverables Call with Verbal Results	Sonfirmation	Matrix Container Number of Containers Preservative	Sieneus porsonbolo	AL TANAMAN AND THE REAL PROPERTY OF THE PARTY OF THE PART
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Matrix: W - Water; DW - Drinking Water; SW - Surface Water; GW - Ground Water; WW - Waste Water; AW - Reagent Water; S - Soil; SE - Sediment; SV - Soil Vapor; AA - Ambient Air; WS - Waste (Solid); O - Other Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube;	oe Water; GW - Ground Water; WW - Waste Soil Vapor; AA - Ambient Air; WS - Waste ('s A Vial; BT, ST, PT - Brass, Steel, and Plasti	: Water; Solid); O - Other c Tube;	Project Name and Location:	Former Georgia	Pacific Summill
 Polythethylene; GJ - Glass Jar, SC - Summa Canister; TD - Tødlar Preservative: C - Cold; HS - Sulfuric Acid; HC - Hydrochloric Acid; HN - Nitric Acid; Na - Sodium Hydroxide; O - Other 	nister; TD - Tedlar ochloric Acid; HN - Nitric Acid; Na - Sodium	Hydroxide; O - Other	Sampled by:	Carroll	Tang 6

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Chain of Cus	stody and Ana	alysis Beduest Form	₹Ċ) ō			282		Citalii oi custody	1
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Send Results to: 5175 Hillsdale Circle, Suite 100 El Dorado Hills, CA 95762 (916) 939-7550, FAX (916) 939-7 Attn.: Jeff Hafie Chace W.	Send Results to: 5175 Hillsdale Circle, Suite 100 El Dorado Hills, CA 95762 (916) 939-7550, FAX (916) 939-7570 Attn.: ☐ Halle Colace Wills	Preliminary Fax Result (5 7 0 L Sample Receipt/ Log-In Confirmation Electronic Data Deliverables Geotracker EDF Raw Data Deliverables Call with Verbal Results	Sonfirmation	YiteM	Matrix Container	Number of Containers Preservative	a sentel	Signal Policy Po		
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Container: GB - Glass Bo - Polythethylene; GJ - Gl	ttle (Amber); V - 40 ml VOA ass Jar, SC - Summa Cani	Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube; P - Polythethylene; GB - Glass Jar, SC - Summa Canister; TD - Tedlar	c Tube;		lumber:	160	01/1	2 " 5	Receiving Lab: Car	st Tomp kins
Preservative: C - Cold; HS	Sulturic Acid; HC - Hydro	ochloric Acid; HN - Nitric Acid; Na - Sodium	Hydroxide; O - Othe	er Sampled by: _	p\(: \(\)	howals	1	Carwall	Money (à	qual
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YELLOW - Laboratory

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Chain of Custody and Analysis Reguest Form	Analysis Reguest Form		ੇ <u>ਹ</u>		TVT 74 04 1	TAT CAST TAT
Geotracker Global ID 70604591192	604591192	1000	**************************************		7 / Z III. IAI	S day IAI
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	Dup-3-05 2206	2 rados	- 6w 6b 2 c	· ×		
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	But - 3-052206	427/00 -	- Goul 68 1 C	X		
	Dup-3-05 22 06	2/22/08	1 60 co 1	×		
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	Temperature.	5/2466	1 2 3 1 C	×		pry coolby
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Container: GB - Glass Bottle (Amber); V - 40	Container: GB - Glass Bottle (Amber); V - 40 ml VOA Vial; BT, ST, PT - Brass, Steel, and Plastic Tube;	stic Tube;	Project Number: 160	17.01	Receiving ab: Curl	54 Towaking
Preservative: C - Cold; HS - Sulfuric Acid; HC	- Hydrochloric Acid; HN - Nitric Acid; Na - Sodiun	տ Hydroxide; O - Otheւ	Sampled by: /humu 5	5 (Jarrall	Marrel ()	

YELLOW - Laboratory

PINK - Originator

Lisa Brooker

From:

"Jeff Heglie" <jheglie@ameinc.net>
"Lisa Brooker" <lisa@ctberk.com>

To: Cc:

"Jennifer Guthmiller" <jguthmiller@ameinc.net>

Sent:

Thursday, May 25, 2006 2:57 PM

Subject: Re: 16017.01 - C&T Login Summary (187024)

Hello Lisa,

Since these are regular quarterly monitoring samples (except for the trip blank -017), these should all be analyzed for the same parameter set. Thus each should have one analysis for TVH, 8260. Also, sample -009 should have a SILICA GEL and a TEHM.

Thanks -Jeff

Lisa Brooker wrote:

Hi Jeff, Couple issues/questions: 1. For sample -004 the COC was not marked for 8260 and TVH. Do you want them analyzed? I had them logged in because I just assumed Tom missed checking those boxes. 2. For samples -009 and -016, TpH-g was requested twice on the volatiles page and on the other page. Should THEM be analyzed? They have not been logged in. Thanks and please let me know asap. Lisa

C&T Login Summary for 187024

Project: 16017.01	Report To: Acton Mickelson Environmental	Bill
Site: Former GA-Pacific Sawmill	5175 Hillsdale Cir	
Lab Login #: 187024		
Report Due: 06/07/06	El Dorado Hills, CA 95762	
PO#:	ATTN: Jeff Heglie	
C&T Proj Mgr: Lisa Brooker	(916) 939-7550	

Client ID	Lab ID	Sampled	Received	Matrix	Analyses	COC#	
MW-2.1-052206	001	05/22	05/23	·		485	PCB=congener
				Filtrate	T26 MET		Field Filtered
				Water	8260		
				Water	8270-1		
		·		Water	8310		·
				Water	CONGENERS		
				Water	EDF		
				Water	SILICA GEL		
·				Water	TEHM		Silica Gel
				Water	TVH		
MW-2.2-052206	002	05/22	05/23			486	PCB=congener
				· ·			



Total Volatile Hydrocarbons Former GA-Pacific Sawmill Location: Lab #: 187024 EPA 5030B Acton Mickelson Environmental Client: Prep: Project#: 16017.01 Analysis: EPA 8015B Batch#: 113802 Matrix: Water 05/22/06 Units: Diln Fac: ug/L 1.000 Sampled: 05/23/06 Received:

Field ID:

MW-2.1-052206

Lab ID: Analyzed: 187024-001

SAMPLE Type:

05/25/06

MDL Result RL Analyte 6.7 6.7 50 50 ND Gasoline C6-C8 Gasoline C8-C10 ND

Surrogate	%RE	C Limits	
Trifluorotoluene (FID)	97	69-137	•
Bromofluorobenzene (FID)	102	80-133	

Field ID: Type:

MW-2.2-052206

SAMPLE

Lab ID:

187024-002

Analyzed:

05/25/06

Analyte	Result	RL	MDL
Gasoline C6-C8	ND	50	6.7
Gasoline C8-C10	ND	50	6.7

Surrogate	%RE	C Limits	
Trifluorotoluene (FID)	96	69-137	
Bromofluorobenzene (FID)	98	80-133	

Field ID: Type:

MW-2.3-052206

SAMPLE

Lab ID: Analyzed:

187024-003

05/25/06

Analyte	Result	RL	MDL
Gasoline C6-C8	ND	50	6.7
Gasoline C8-C10	ND	50	6.7

Surrogate		C Limits	
Trifluorotoluene (FID)	96	69-137	
Bromofluorobenzene (FID)	99	80-133	

Field ID:

Type:

MW-2.4-052206

SAMPLE

Lab ID:

187024-004

05/25/06 Analyzed:

Analyte MDL Result ND Gasoline C6-C8 50 6.7 Gasoline C8-C10 ND

	%REC	Limits	
Trifluorotoluene (FID)	98	69-137	
Bromofluorobenzene (FID)	104	80-133	

ND= Not Detected

RL= Reporting Limit

MDL= Method Detection Limit

Page 1 of 5



Total Volatile Hydrocarbons Former GA-Pacific Sawmill EPA 5030B Location: Lab #: 187024 Acton Mickelson Environmental Prep: Analysis: Client: EPA 8015B Project#: 16017.01 113802 Matrix: Water Batch#: 05/22/06 05/23/06 Sampled: Units: ug/L Received: Diln Fac: 1.000

Field ID: Type:

MW-2.5-052206

SAMPLE

Lab ID:

187024-005

05/26/06 Analyzed:

Analyte	Result		MDL
Gasoline C6-C8	ND	50	6.7
Gasoline C8-C10	ND	50	6.7

Surrogate	%REC	: Limits	
Trifluorotoluene (FID)	97	69-137	
Bromofluorobenzene (FID)	99	80-133	

Field ID: Type:

MW-2.6-052206

SAMPLE

Lab ID: Analyzed:

187024-006

05/26/06

Analyte	Result	RL	MDL
Gasoline C6-C8	ND	50	6.7
Gasoline C8-C10	ND	50	6.7

	%REC	Limits	
Trifluorotoluene (FID)	96	69-137	
Bromofluorobenzene (FID)	102	80-133	

Field ID:

MW-4.1-052206

SAMPLE Type:

Lab ID: Analyzed: 187024-007

05/26/06

Analy	te Result	RL	MDL
Gasoline C6-C8	ND	50	6.7
Gasoline C8-C10	ND	50	6.7

Surrogate	%REC	: Limits	
Trifluorotoluene (FID)	98	69-137	
Bromofluorobenzene (FID)	105	80-133	

Field ID: Type:

MW-4.2-052206

SAMPLE

Lab ID: Analyzed: 187024-008

05/26/06

Analyte	Result		MDL
Gasoline C6-C8	ND	50	6.7
Gasoline C8-C10	ND	50	6.7

Surrogate	%REC	Limits	
Trifluorotoluene (FID)	100	69-137	
Bromofluorobenzene (FID)	111	80-133	

ND= Not Detected

RL= Reporting Limit

MDL= Method Detection Limit

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Total Volatile Hydrocarbons Former GA-Pacific Sawmill EPA 5030B Lab #: 187024 Location: Acton Mickelson Environmental Prep: Analysis: Client: EPA 8015B Project#: 16017.01 Matrix: Water Batch#: 113802 05/22/06 05/23/06 Sampled: ug/L 1.000 Units: Received: Diln Fac:

Field ID:

MW-4.3-052206

SAMPLE

Lab ID:

187024-009 05/26/06

Type:

Analyzed:

MDL Analyte Result RL 50 6.7 Gasoline C6-C8 50 6.7 Gasoline C8-C10 ND

Surrogate	%RE(2 Limits	
Trifluorotoluene (FID)	97	69-137	- 1
Bromofluorobenzene (FID)	103	80-133	

Field ID:

MW-4.4-052206

SAMPLE

Lab ID:

187024-010

Type:

Analyzed:

05/26/06

Analyte	Result	RL	MDL
Gasoline C6-C8	ND	50	6.7
Gasoline C8-C10	ND	50	6.7

Surrogate	%REC	DIMITO
Trifluorotoluene (FID)	96	69-137
Bromofluorobenzene (FID)	100	80-133

Field ID:

MW-5.6-052206

SAMPLE Type:

Lab ID: Analyzed: 187024-011

05/26/06

Analyte	Result	RL	MDL
Gasoline C6-C8	ND	50	6.7
Gasoline C8-C10	ND	50	6.7

			1
Surrogate	%RE	C Limits	1
Trifluorotoluene (FID)	96	69-137	ļ
Bromofluorobenzene (FID)	9.8	80-133	ı

Field ID: Type:

MW-5.7-052206

SAMPLE

Lab ID:

187024-012

05/26/06 Analyzed:

Analyte	Result	RL	MDL
Gasoline C6-C8	ND	50	6.7
Gasoline C8-C10	m ND	50	6.7

Surrogate	%REC	Limits
Trifluorotoluene (FID)	99	69-137
Bromofluorobenzene (FID)	102	80-133

ND= Not Detected

RL= Reporting Limit

MDL= Method Detection Limit

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Total Volatile Hydrocarbons Former GA-Pacific Sawmill EPA 5030B Location: Lab #: 187024 Prep: Analysis: Client: Acton Mickelson Environmental EPA 8015B Project#: 16017.01 113802 Matrix: Water Batch#: 05/22/06 05/23/06 Sampled: Received: ug/L 1.000 Units: Diln Fac:

Field ID: Type:

MW-5.8-052206

SAMPLE

Lab ID:

187024-013

05/26/06 Analyzed:

Analyte	Result	RL	MDL
Gasoline C6-C8	ND	50	6.7
Gasoline C8-C10	ND	50	6.7

Surrogate	%REC	: Limits
Trifluorotoluene (FID)	97	69-137
Bromofluorobenzene (FID)	103	80-133

Field ID: Type:

MW-5.9-052206

SAMPLE

Lab ID: Analyzed: 187024-014

05/26/06

Analyte	Result	RL	MDL
Gasoline C6-C8	ND	50	6.7
Gasoline C8-C10	ND	50	6.7

Supposed	ാന വ	200000728-2778-87 <u>19</u> 2100000000	
Dull Toolang	ONLINE	LI LIII L L D	
Trifluorotoluene (FID)	97	69-137	
TITITE GOLOCOTACHO (TID)		00 100	
Bromofluorobenzene (FID)	103	80-133	

Field ID:

Type:

DUP-1-052206

SAMPLE

Lab ID: Analyzed: 187024-015 05/26/06

Analyte	Result	RL	MDL
Gasoline C6-C8	ND	50	6.7
Gasoline C8-C10	ND	50	6.7

Surrogate	\sim pro	Limits
Trifluorotoluene (FID)	97	69-137
Bromofluorobenzene (FID)	101	80-133

Field ID: Type:

DUP-3-052206

SAMPLE

Lab ID: Analyzed: 187024-016

05/25/06

Analyte	Result	RL	MDL
Gasoline C6-C8	ND	50	6.7
Gasoline C8-C10	ND	50	6.7

Surrogate	%REC	Limits	
Trifluorotoluene (FID)	98	69-137	
Bromofluorobenzene (FID)	101	80-133	

ND= Not Detected

RL= Reporting Limit

MDL= Method Detection Limit

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Total Volatile Hydrocarbons Former GA-Pacific Sawmill EPA 5030B Location: Lab #: 187024 Prep: Analysis: Client: Acton Mickelson Environmental Project#: 16017.01 EPA 8015B 113802 05/22/06 05/23/06 Batch#: Matrix: Water ug/L 1.000 Sampled: Received: Units: Diln Fac:

Field ID: Type: MW-2.1-052206TB1

SAMPLE

Lab ID: Analyzed: 187024-017

05/25/06

Analyte	Result	RL	MDP
Gasoline C6-C8	ND	50	6.7
Gasoline C8-C10	ND	50	6.7

	%REC	Limits	
Trifluorotoluene (FID)	100	69-137	
Bromofluorobenzene (FID)	102	80-133	

Type: Lab ID: BLANK QC341483 Analyzed:

05/25/06

Analyte	Result	RL	MDL
Gasoline C6-C8	ND	50	6.7
Gasoline C8-C10	ND	50	6.7

	%REC	C Limits
Trifluorotoluene (FID)	95	69-137
Bromofluorobenzene (FID)	93	80-133

ND= Not Detected

RL= Reporting Limit

MDL= Method Detection Limit

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Batch QC Report

	Total Volat	ile Hydrocarbo	ons
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
	16017.01	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC341485	Batch#:	113802
Matrix:	Water	Analyzed:	05/25/06
Units:	ug/L		

Analyte		Result	%REC	Limits
Gasoline C6-C10	2,000	1,995	100	80-120

Surrogate	%REC	Limits	
Trifluorotoluene (FID)	116	69-137	·
Bromofluorobenzene (FID)	104	80-133	



Batch QC Report

~ 1	Total Volat	ile Hydrocarbo	ons
Lab #: 187	024	Location:	Former GA-Pacific Sawmill
	on Mickelson Environmental	Prep:	EPA 5030B
Project#: 160	17.01	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZ	Batch#:	113802
MSS Lab ID:	187051-006	Sampled:	05/23/06
Matrix:	Water	Received:	05/25/06
Units:	ug/L	Analyzed:	05/25/06
Diln Fac:	1.000		and the second s

Type:

MS

Lab ID:

QC341506

Analyte	MSS Result	Spiked	Result	%RE	C Limits
Gasoline C6-C10	8.050	2,000	1,917	95	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	69-137
Bromofluorobenzene (FID)	105	80-133

Type:

MSD

Lab ID:

QC341507

Analyte	Spiked	Result	%REC	! Limits	RPI) Lim
Gasoline C6-C10	2,000	1,936	96	80-120	1.	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	117	69-137
Bromofluorobenzene (FID)	107	80-133



Total Extractable Hydrocarbons 187024 Location: Lab #: Former GA-Pacific Sawmill EPA 3520C EPA 8015B 05/22/06 05/23/06 Acton Mickelson Environmental Prep: Analysis: Client: Project#: 16017.01 Matrix: Water Sampled: Units: ug/L Received: Diln Fac: 1.000 Prepared: 06/02/06 Batch#: 114081

Field ID:

MW-2.1-052206

SAMPLE

Type: Lab ID:

187024-001

Analyzed:

06/05/06

Cleanup Method: EPA 3630C

Analyte	Result	RL	MDL
Diesel C10-C12	ND	50	21
Diesel C12-C16	ND	50	21
Diesel C16-C24	21 J Y	50	21
Motor Oil C24-C36	ND	300	42

	%REC	! Limits	
Hexacosane	95	65-130	

Field ID:

MW-2.2-052206

Type: Lab ID:

SAMPLE 187024-002 Analyzed:

06/05/06

Cleanup Method: EPA 3630C

Analyte	Result	RL	MDL
Diesel C10-C12	ND	50	21
Diesel C12-C16	ND	50	21
Diesel C16-C24	ND	50	21
Motor Oil C24-C36	ND	300	42

Surrogate	%REC	Limits	
Hexacosane	96	65-130	

Field ID:

MW-2.3-052206

Type: SAMPLE

Lab ID:

187024-003

Analyzed:

06/05/06

Cleanup Method: EPA 3630C

Analyte	Result	RL	MDL
Diesel C10-C12	ND	50	21
Diesel C12-C16	ND	50	21
Diesel C16-C24	ND	50	21
Motor Oil C24-C36	ND	300	42

Surrogate	∍ %REC	LLINLLS	
Hexacosane	94	65-130	

J= Estimated value

Y= Sample exhibits chromatographic pattern which does not resemble standard

ND= Not Detected

RL= Reporting Limit

MDL= Method Detection Limit

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Total Extractable Hydrocarbons Former GA-Pacific Sawmill EPA 3520C Lab #: 187024 Location: Client: Acton Mickelson Environmental Prep: Analysis: Project#: 16017.01 EPA 8015B 05/22/06 05/23/06 Matrix: Water Sampled: Units: ug/L Received: 06/02/06 Diln Fac: 1.000 Prepared: Batch#: 114081

Field ID:

MW-2.4-052206

SAMPLE

Type: Lab ID:

187024-004

Analyzed:

06/05/06

Cleanup Method: EPA 3630C

Analyte	Result	RL	MDL
Diesel C10-C12	ND	50	21
Diesel C12-C16	ND	50	21
Diesel C16-C24	ND	50	21
Motor Oil C24-C36	ND	300	42

Surrogate	%REC	Limits	
Hexacosane	94	65-130	

Field ID:

MW-2.5-052206

Type: Lab ID: SAMPLE

187024-005

Analyzed:

06/05/06

Cleanup Method: EPA 3630C

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Analyte	Result	RL	MDL
Diesel C10-C12	ND	50	21
Diesel C12-C16	ND	50	21
Diesel C16-C24	ND	50	21
Motor Oil C24-C36	CIM	300	4.2

Surrogate	%REC	Limits	
Hexacosane	80	65-130	

Field ID:

MW-2.6-052206

SAMPLE

Type: Lấb ID:

187024-006

Analyzed:

06/05/06

Cleanup Method: EPA 3630C

Analyte		RL	MDL
Diesel C10-C12	ND	50	21
Diesel C12-C16	ND	50	21
Diesel C16-C24	ND	50	21
Motor Oil C24-C36	ND	300	42

		7809900, 709 Secel (0109000000000000	
Surrogate	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Bimiles	
Heyacodane	0.3	65_130	!
LICKACOBATIC	23	02-120	

J= Estimated value

Y= Sample exhibits chromatographic pattern which does not resemble standard ND= Not Detected

RL= Reporting Limit

MDL= Method Detection Limit

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Total Extractable Hydrocarbons Former GA-Pacific Sawmill EPA 3520C Lab #: 187024 Location: Client: Acton Mickelson Environmental Prep: Project#: 16017.01 EPA 8015B 05/22/06 05/23/06 Analysis: Matrix: Water Sampled: Units: ug/L Received: 1.000 06/02/06 Diln Fac: Prepared: Batch#: 114081

Field ID:

MW-4.1-052206

SAMPLE Type:

Lab ID:

187024-007

Analyzed:

06/05/06

Cleanup Method: EPA 3630C

Analyte	Result	RL	MDL
Diesel C10-C12	ND	50	21
Diesel C12-C16	ND	50	21
Diesel C16-C24	ND	50	21
Motor Oil C24-C36	ND	300	42

Surrogate	%REC	Limits	
Hexacosane	92	65-130	

Field ID: Type: Lab ID:

MW-4.2-052206

SAMPLE

187024-008

Analyzed:

06/05/06

Cleanup Method: EPA 3630C

Analyte	Result	RL	MDL
Diesel C10-C12	ND	50	21
Diesel C12-C16	ND	50	21
Diesel C16-C24	25 Ј Ү	50	21
Motor Oil C24-C36	57 J Y	300	42

Surrogate	%REC	Limits	
Hexacosane	107	65-130	

Field ID: Type:

MW-4.3-052206

SAMPLE

Lab ID: 187024-009 Analyzed:

06/05/06

Cleanup Method: EPA 3630C

Analyte	Result	RL	MDL
Diesel C10-C12	ND	50	21
Diesel C12-C16	ND	50	21
Diesel C16-C24	44 J Y	50	21
Motor Oil C24-C36	82 J Y	300	42

Surrogate	%REC	Limits	
Hexacosane	117	65-130	

J= Estimated value

Y= Sample exhibits chromatographic pattern which does not resemble standard ND= Not Detected

RL= Reporting Limit

MDL= Method Detection Limit



Total Extractable Hydrocarbons Former GA-Pacific Sawmill EPA 3520C Lab #: 187024 Location: Client: Acton Mickelson Environmental Prep: Analysis: Project#: 16017.01 EPA 8015B 05/22/06 05/23/06 Water Matrix: Sampled: Units: ug/L Received: 1.000 Diln Fac: 06/02/06 Prepared: Batch#: 114081

Field ID:

MW-4.4-052206

SAMPLE

Type: Lab ID:

187024-010

Analyzed:

06/05/06

Cleanup Method: EPA 3630C

Analyte	Result	RL	MDL
Diesel C10-C12	ND	50	21
Diesel C12-C16	ND	50	21
Diesel C16-C24	23 J Y	50	21
Motor Oil C24-C36	59 J Y	300	42

	%REC	Limits	
Hexacosane	114	65-130	

Field ID: Type: Lab ID:

MW-5.6-052206

SAMPLE

187024-011

Analyzed:

06/05/06

Cleanup Method: EPA 3630C

Analyte	Result	RL	MDL
Diesel C10-C12	ND	50	21
Diesel C12-C16	ND	50	21
Diesel C16-C24	23 J Y	50	21
Motor Oil C24-C36	63 J Y	300	42

Surroga	ate	%REC	Limits	
Hexacosane		106	65-130	ĺ

Field ID:

MW-5.7-052206

SAMPLE

Type: Lab ID:

187024-012

Analyzed:

06/06/06

Cleanup Method: EPA 3630C

Analyte	Result	RL	MDL
Diesel C10-C12	ND	50	21
Diesel C12-C16	ND	50	21
Diesel C16-C24	30 J Y	50	21
Motor Oil C24-C36	51 J Y	300	42

Surrogat	e %REC	Limits	
Hexacosane	103	65-130	

J= Estimated value

Y= Sample exhibits chromatographic pattern which does not resemble standard

ND= Not Detected

RL= Reporting Limit

MDL= Method Detection Limit

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Total Extractable Hydrocarbons Lab #: 187024 Location: Former GA-Pacific Sawmill Client: Acton Mickelson Environmental EPA 3520C Prep: Analysis: Project#: 16017.01 EPA 8015B Sampled: 05/22/06 05/23/06 Matrix: Water Units: Received: ug/L Diln Fac: 1.000 Prepared: 06/02/06 Batch#: 114081

Field ID:

MW-5.8-052206

SAMPLE Type:

Lāb ID:

187024-013

Analyzed:

06/06/06

Cleanup Method: EPA 3630C

	Result	RL	MDL
Diesel C10-C12	ND	50	21
Diesel C12-C16	ND	50	21
Diesel C16-C24	ND	50	21
Motor Oil C24-C36	59 J Y	300	42

Surrogate	%REC		
Hexacosane	113	65-130	

Field ID:

MW-5.9-052206

Type: Lab ID: SAMPLE

187024-014

Analyzed:

06/06/06

Cleanup Method: EPA 3630C

Analyte Result MDL RL Diesel C10-C12 21 21 ND Diesel C12-C16 50 ND Diesel C16-C24 23 J Y 50 21 Motor Oil C24-C36 67 J Y 300 42

Surrogate	%REC	Limits	
Hexacosane	107	65-130	

Field ID:

DUP-1-052206

SAMPLE

Type: Lab ID:

187024-015

Analyzed:

06/06/06

Cleanup Method: EPA 3630C

Analyte Result RL MDL 21 21 Diesel C10-C12 50 Diesel C12-C16 Diesel C16-C24 ND 50 ND 50 21 Motor Oil C24-C36 46 J Y 300 42

Surrogate	%REC	Limits	
Hexacosane	107	65-130	

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J= Estimated value

Y= Sample exhibits chromatographic pattern which does not resemble standard

ND= Not Detected

RL= Reporting Limit

MDL= Method Detection Limit



Total Extractable Hydrocarbons Former GA-Pacific Sawmill EPA 3520C Lab #: 187024 Location: Client: Acton Mickelson Environmental Prep: Analysis: Project#: EPA 8015B 05/22/06 05/23/06 16017.01 Sampled: Water Matrix: ug/L Units: Received: Diln Fac: 1.000 06/02/06 Prepared: Batch#: 114081

Field ID:

DUP-3-052206

SAMPLE

Type: Lab ID:

187024-016

Analyzed:

06/06/06

Cleanup Method: EPA 3630C

Analyte	Result	RL	MDL
Diesel C10-C12	ND	50	21
Diesel C12-C16	ND	50	21
Diesel C16-C24	22 J Y	50	21
Motor Oil C24-C36	84 J Y	300	42

Surro	gate %REC	! Limits	
Hexacosane	104	65-130	

Type: Lab ID:

BLANK

QC342595

Analyzed:

06/05/06

Cleanup Method: EPA 3630C

	Result	RL	MDL
Diesel C10-C12	ND	50 -	21
Diesel C12-C16	ND	50	21
Diesel C16-C24	ND	50	21
Motor Oil C24-C36	ND	300	42

Surroga	te %RE		
Hexacosane	87	65-130	

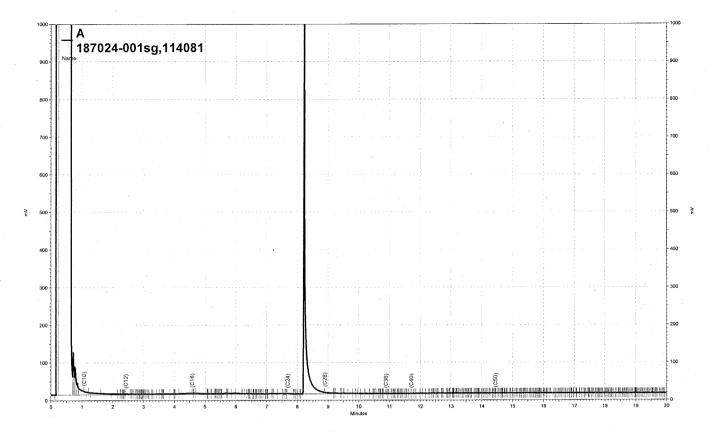
J= Estimated value

 $\mbox{\sc Y=}$ Sample exhibits chromatographic pattern which does not resemble standard $\mbox{\sc ND=}$ Not Detected

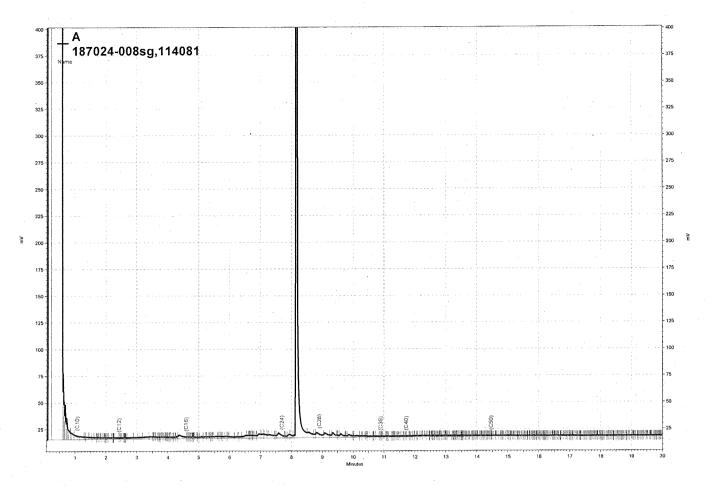
RL= Reporting Limit

MDL= Method Detection Limit

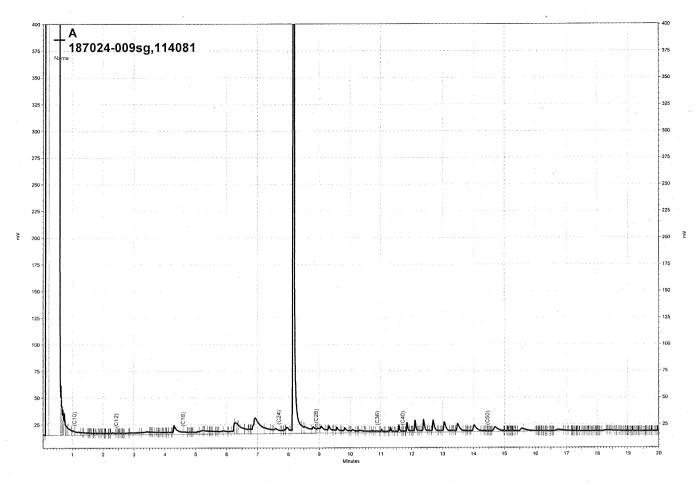
Page 6 of 6



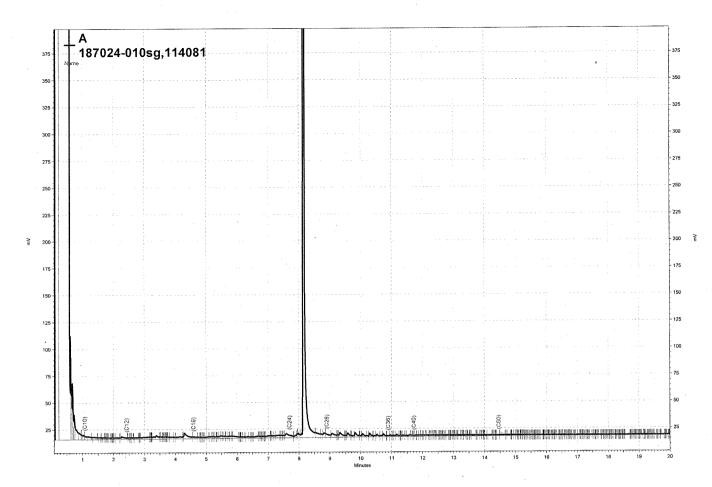
\Lims\gdrive\ezchrom\Projects\GC11A\Data\156a012, A



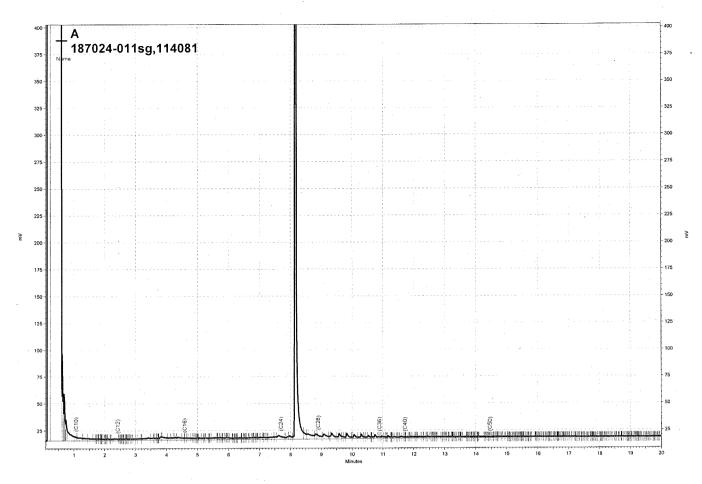
\\Lims\gdrive\ezchrom\Projects\GC11A\Data\156a025, A



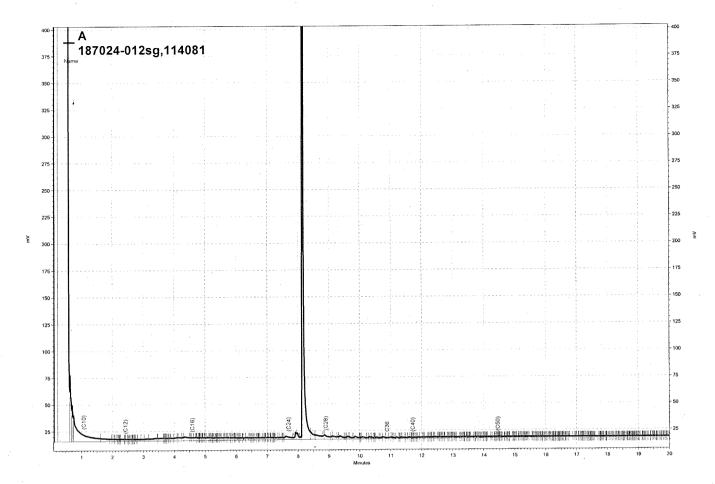
\\Lims\gdrive\ezchrom\Projects\GC11A\Data\156a026, A



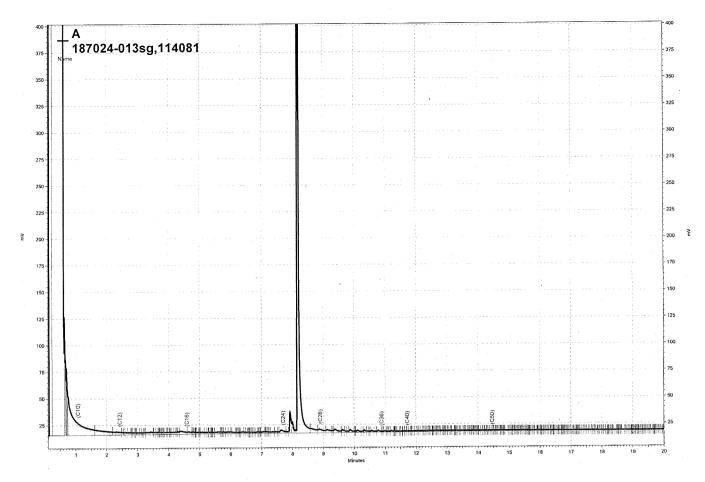
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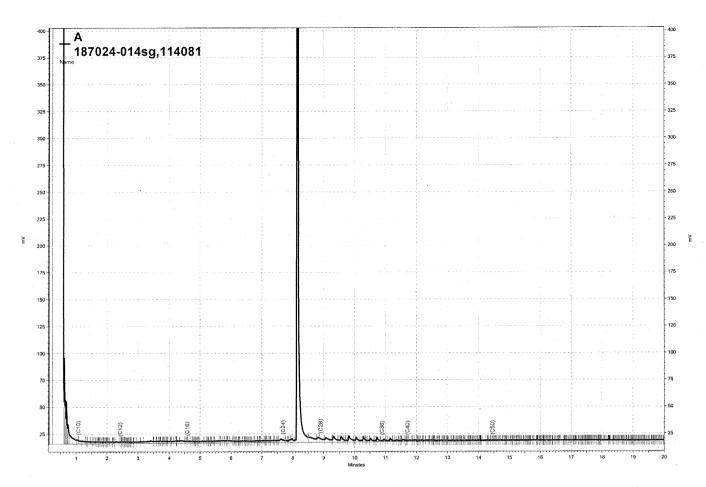
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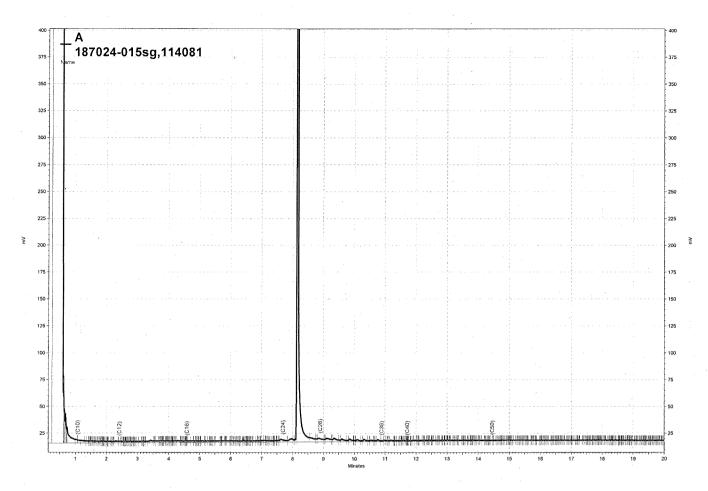
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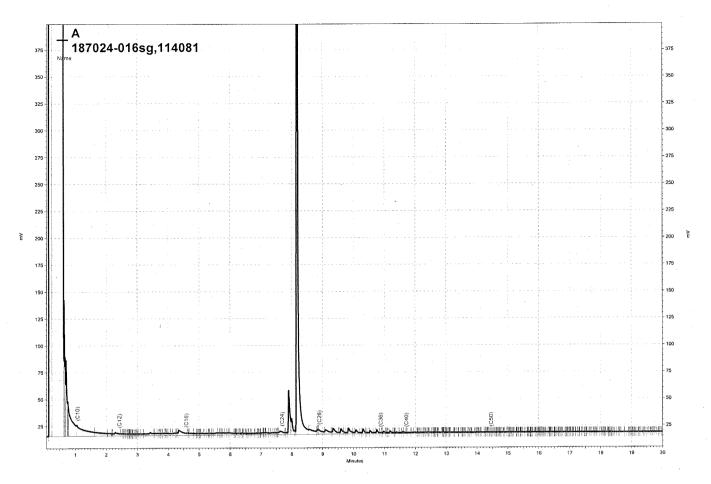
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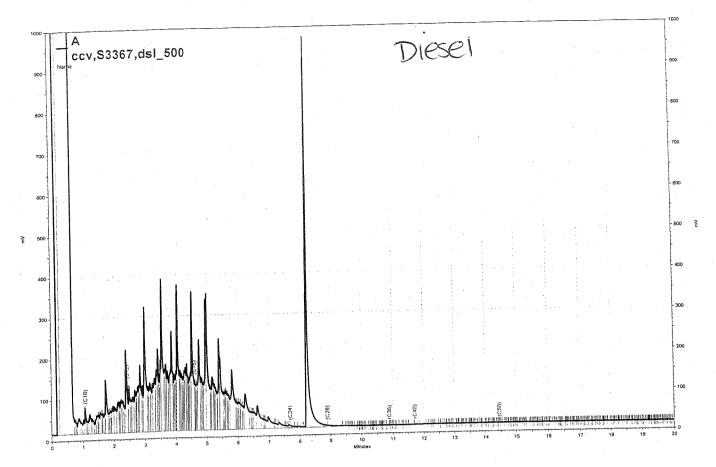
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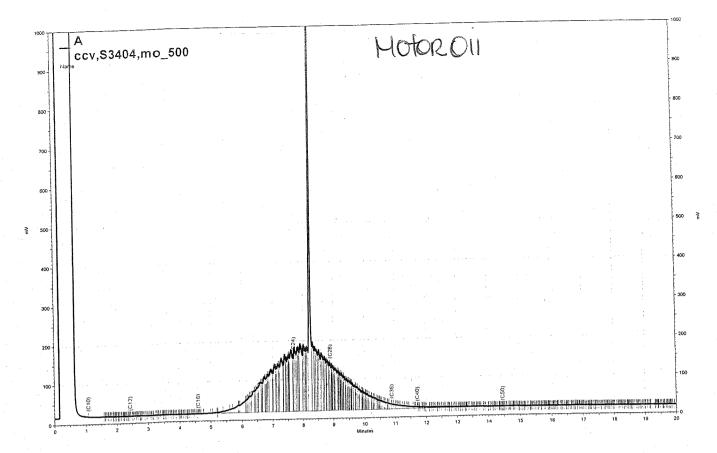
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\\Lims\gdrive\ezchrom\Projects\GC11A\Data\156a033, A



\Lims\gdrive\ezchrom\Projects\GC11A\Data\156a004, A



----\Lims\gdrive\ezchrom\Projects\GC11A\Data\156a003, A



Batch QC Report

Total Extractable Hydrocarbons								
Lab #:	187024	Location:	Former GA-Pacific Sawmill					
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C					
Project#:	16017.01	Analysis:	EPA 8015B					
Matrix:	Water	Batch#:	114081					
Units:	ug/L	Prepared:	06/02/06					
Diln Fac:	1.000	Analyzed:	06/05/06					

Type:

BS

Cleanup Method: EPA 3630C

Lab ID:

QC342596

Analyte	Spiked	Result	%RE	C Limits
Diesel C10-C24	2,500	2,082	83	61-133

Surrogate	%REC	Limits
Hexacosane	82	65-130

Type:

BSD

Cleanup Method: EPA 3630C

Lab ID:

QC342597

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,540	102	61-133	20	31

Surrogate	%REC	Limits	
Hexacosane	99	65-130	



	Purgeable	Organics by GC/1	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-2.1-052206	Batch#:	114064
Lab ID:	187024-001	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/02/06
Diln Fac:	1.000	-	

Analyte	Resu	1612	RL	MDL
Freon 12	ND		1.0	0.1
Chloromethane	ND		1.0	0.2
Vinyl Chloride	ND		0.5	0.2
Bromomethane	ND		1.0	0.3
Chloroethane	ND		1.0	0.3
Trichlorofluoromethane	ND		1.0	0.06
Ethanol	ND		1,000	22
	ND		100	2.7
Isopropanol Acetone	MD	0.9 J	10	0.9
Freon 113	ND	0.50	5.0	0.1
	ND		0.5	0.2
1,1-Dichloroethene	מא	0.4 J	10	0.2
Methylene Chloride		0.4 J	0.5	0.03
Carbon Disulfide MTBE	ND	0.04 0	0.5	0.07
			0.5	0.1
trans-1,2-Dichloroethene	ND		10	0.4
Vinyl Acetate	ND ND		0.5	0.06
1,1-Dichloroethane			10	0.2
2-Butanone	ND		0.5	0.2
cis-1,2-Dichloroethene	ND		0.5	0.2
2,2-Dichloropropane	ND		0.5	0.05
Chloroform	ND		0.5	0.09
Bromochloromethane	ND			0.03
1,1,1-Trichloroethane	ND		0.5	0.07
1,1-Dichloropropene	ND		0.5	0.1
Carbon Tetrachloride	ND		0.5	0.09
1,2-Dichloroethane	ND		0.5	0.09
Benzene	ND		0.5	0.04
Trichloroethene	ND		0.5	
1,2-Dichloropropane	ND		0.5	0.06
Bromodichloromethane	ND		0.5	0.04
Dibromomethane	ND		0.5	0.06
4-Methyl-2-Pentanone	ND		10	0.08
cis-1,3-Dichloropropene	ND		0.5	0.07
Toluene	ND		0.5	0.08
trans-1,3-Dichloropropene	ND		0.5	0.07
1,1,2-Trichloroethane	ND		0.5	0.1
2-Hexanone	ND		10	0.3
1,3-Dichloropropane	ND		0.5	0.07
Tetrachloroethene	ND		0.5	0.1
Dibromochloromethane	ND		0.5	0.05
1,2-Dibromoethane	ND		0.5	0.06
Chlorobenzene	ND		0.5	0.09
1,1,1,2-Tetrachloroethane	ND		0.5	0.09
Ethylbenzene	ND		0.5	0.08
m,p-Xylenes	ND		0.5	0.2
o-Xylene	ND		0.5	0.06
Styrene	ND		0.5	0.09
Bromoform	ND		1.0	0.09
Isopropylbenzene	ND		0.5	0.06
1,1,2,2-Tetrachloroethane	ND		0.5	0.1
1,2,3-Trichloropropane	ND		0.5	0.3
Propylbenzene	ND		0.5	0.1

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

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	Purgeable	Organics by GC/M	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-2.1-052206	Batch#:	114064
Lab ID:	187024-001	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	uq/L	Analyzed:	06/02/06
Diln Fac:	1.000	<u>, , , , , , , , , , , , , , , , , , , </u>	

Analyte	Result	RL	MDL
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.09
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.09
sec-Butvlbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.1
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits	
Dibromofluoromethane	108	80-120	
1,2-Dichloroethane-d4	117	80-130	
Toluene-d8	105	80-120	
Bromofluorobenzene	113	80-122	

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit
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	Purgeable	Organics by GC/M	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-2.2-052206	Batch#:	113998
Lab ID:	187024-002	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:	1.000		·

Analyte	R	esult	RL	
Freon 12	ND		1.0	0.2
Chloromethane	ND		1.0	0.1
Vinyl Chloride	ND		0.5	0.1
Bromomethane	ND		1.0	0.3
Chloroethane	ND		1.0	0.1
Trichlorofluoromethane	ND		1.0	0.2
Ethanol	ND		1,000	23
Isopropanol	ND		100	1.6
	MD	0.8 J	10	0.2
Acetone	3.770	0.8 0	5.0	0.1
Freon 113	ND			- · · · · · · · · · · · · · · · · · · ·
1,1-Dichloroethene	ND		0.5	0.06
Methylene Chloride		0.2 J	10	0.1
Carbon Disulfide	ND		0.5	0.09
MTBE	ND		0.5	0.06
trans-1,2-Dichloroethene	ND		0.5	0.2
Vinyl Acetate	ND		10	0.08
1,1-Dichloroethane	ND		0.5	0.05
2-Butanone	ND		10	0.2
cis-1,2-Dichloroethene	ND		0.5	0.08
2,2-Dichloropropane	ND		0.5	0.08
Chloroform	ND		0.5	0.09
Bromochloromethane	ND		0.5	0.1
1,1,1-Trichloroethane	ND		0.5	0.1
	ND		0.5	0.08
1,1-Dichloropropene			0.5	0.1
Carbon Tetrachloride	ND		0.5	0.1
1,2-Dichloroethane	ND		0.5	0.06
Benzene	ND		0.5	
Trichloroethene		0.2 J	0.5	0.2
1,2-Dichloropropane	ND		0.5	0.08
Bromodichloromethane	ND		0.5	0.07
Dibromomethane	ND		0.5	0.09
4-Methyl-2-Pentanone	ND		10	0.06
cis-1,3-Dichloropropene	ND		0.5	0.06
Toluene	ND		0.5	0.1
trans-1,3-Dichloropropene	ND		0.5	0.04
1,1,2-Trichloroethane	ND		0.5	0.1
2-Hexanone	ND		10	0.05
1,3-Dichloropropane	ND		0.5	0.06
Tetrachloroethene	ND		0.5	0.1
Dibromochloromethane	ND		0.5	0.1
1,2-Dibromoethane	ND		0.5	0.1
Chlorobenzene	ND		0.5	0.1
1,1,1,2-Tetrachloroethane	ND		0.5	0.1
	ND		0.5	0.07
Ethylbenzene	ND		0.5	0.1
m,p-Xylenes			0.5	0.09
o-Xylene	ND		0.5	0.1
Styrene	ND			0.1
Bromoform	ND		1.0	-
Isopropylbenzene		0.2 J	0.5	0.09
1,1,2,2-Tetrachloroethane	ИD		0.5	0.09
1,2,3-Trichloropropane	ND		0.5	0.07
Propylbenzene	ND		0.5	0.06

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit
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	Purgeable	Organics by GC/	MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:		Analysis:	EPA 8260B
Field ID:	MW-2.2-052206	Batch#:	113998
Lab ID:	187024-002	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	uq/L	Analyzed:	06/01/06
Diln Fac:	1.000	<u> </u>	

Analyte	Res	ult	RL	MDL
Bromobenzene	ND		0.5	0.1
1,3,5-Trimethylbenzene	ND		0.5	0.05
2-Chlorotoluene	ND		0.5	0.07
4-Chlorotoluene	ND		0.5	0.04
tert-Butylbenzene		0.2 J	0.5	0.08
1,2,4-Trimethylbenzene	ND		0.5	0.07
sec-Butylbenzene		0.6	0.5	0.06
para-Isopropyl Toluene	ND		0.5	0.1
1,3-Dichlorobenzene	ND		0.5	0.1
1,4-Dichlorobenzene	ND		0.5	0.1
n-Butylbenzene	ND		0.5	0.1
1,2-Dichlorobenzene	ND		0.5	0.08
1,2-Dibromo-3-Chloropropane	ND		2.0	0.2
1,2,4-Trichlorobenzene	ND		0.5	0.1
Hexachlorobutadiene	ND		0.5	0.3
Naphthalene		0.06 J	2.0	0.06
1,2,3-Trichlorobenzene	ND		0.5	0.1

Surrogate	%REC	Limits	
Dibromofluoromethane	116	80-120	
1,2-Dichloroethane-d4	107	80-130	
Toluene-d8	106	80-120	·
Bromofluorobenzene	102	80-122	

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit
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	Purgeable	Organics by GC/	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-2.3-052206	Batch#:	113998
Lab ID:	187024-003	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:	1.000		·

Analyte	Re	sult	RL	MDL
Freon 12	ND		1.0	0.2
Chloromethane	ND		1.0	0.1
Vinyl Chloride	ND		0.5	0.1
			1.0	0.3
Bromomethane	ND			+ · -
Chloroethane	ND		1.0	0.1
Trichlorofluoromethane	ND		1.0	0.2
Ethanol	ND		1,000	23
Isopropanol	ND		100	1.6
Acetone		0.9 J	10	0.2
Freon 113	ND	0.5	5.0	0.1
1,1-Dichloroethene	ND		0.5	0.06
	עאו	0 0 T		
Methylene Chloride		0.2 J	10	0.1
Carbon Disulfide	ND		0.5	0.09
MTBE	ND		0.5	0.06
trans-1,2-Dichloroethene	ND		0.5	0.2
Vinyl Acetate	ND		10	0.08
1,1-Dichloroethane	ND		0.5	0.05
2-Butanone	1417	0.5 J	10	0.2
	ATTO	0.5 0	0.5	0.08
cis-1,2-Dichloroethene	ND			0.08
2,2-Dichloropropane	ND		0.5	
Chloroform	ND		0.5	0.09
Bromochloromethane	ND		0.5	0.1
1,1,1-Trichloroethane	ND		0.5	0.1
1,1-Dichloropropene	ND		0.5	0.08
Carbon Tetrachloride	ND		0.5	0.1
1,2-Dichloroethane	ND		0.5	0.1
Benzene	ND		0.5	0.06
	מאַ	0 0 7	0.5	0.2
Trichloroethene		0.2 J		
1,2-Dichloropropane	ND		0.5	0.08
Bromodichloromethane	ND		0.5	0.07
Dibromomethane	ND		0.5	0.09
4-Methyl-2-Pentanone	ND		10	0.06
cis-1,3-Dichloropropene	ND		0.5	0.06
Toluene	ND		0.5	0.1
trans-1,3-Dichloropropene	ND		0.5	0.04
			0.5	0.1
1,1,2-Trichloroethane	ND			
2-Hexanone	ND		10	0.05
1,3-Dichloropropane	ND		0.5	0.06
Tetrachloroethene	ND		0.5	0.1
Dibromochloromethane	ND		0.5	0.1
1,2-Dibromoethane	ND		0.5	0.1
Chlorobenzene	ND		0.5	0.1
1,1,1,2-Tetrachloroethane	ND		0.5	0.1
Ethylbenzene	ND		0.5	0.07
1 -	ND		0.5	0.1
m,p-Xylenes				0.09
o-Xylene	ND		0.5	
Styrene	ND		0.5	0.1
Bromoform	ND		1.0	0.1
Isopropylbenzene	ND		0.5	0.09
1,1,2,2-Tetrachloroethane	ND		0.5	0.09
1,2,3-Trichloropropane	ND		0.5	0.07
Propylbenzene	ND		0.5	0.06

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit
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	Purgeable	Organics by GC/N	AS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-2.3-052206	Batch#:	113998
Lab ID:	187024-003	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	${ t ug/L}$	Analyzed:	06/01/06
Diln Fac:	1.000	*	

Analyte	Result	RL	MDL
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.05
2-Chlorotoluene	ND	0.5	0.07
4-Chlorotoluene	ND	0.5	0.04
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.07
sec-Butylbenzene	0.1 J	0.5	0.06
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	0.1 J	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.08
1,2-Dibromo-3-Chloropropane	ND	2.0	0.2
1,2,4-Trichlorobenzene	ND	0.5	0.1
Hexachlorobutadiene	ND	0.5	0.3
Naphthalene	ND	2.0	0.06
1,2,3-Trichlorobenzene	ND	0.5	0.1

Surrogate	%REC	Limits	
Dibromofluoromethane	111	80-120	
1,2-Dichloroethane-d4	104	80-130	
Toluene-d8	104	80-120	1
Bromofluorobenzene	103	80-122	

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Purgeable	Organics by GC/I	MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:		Analysis:	EPA 8260B
Field ID:	MW-2.4-052206	Batch#:	113998
Lab ID:	187024-004	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:	1.000	-	

Analyte	Res	:u1:t	RL	MDL
Freon 12	ND		1.0	0.2
Chloromethane	ND		1.0	0.1
Vinyl Chloride	ND		0.5	0.1
Bromomethane	ND		1.0	0.3
Chloroethane	ND		1.0	0.1
	ND ND		1.0	0.2
Trichlorofluoromethane			1 000	23
Ethanol	ND		1,000	1.6
Isopropanol	ND		100	
Acetone		0.5 J	10	0.2
Freon 113	ND		5.0	0.1
1,1-Dichloroethene	ND		0.5	0.06
Methylene Chloride	ND		10	0.1
Carbon Disulfide	ND		0.5	0.09
MTBE	ND		0.5	0.06
trans-1,2-Dichloroethene	ND		0.5	0.2
Vinyl Acetate	ND		10	0.08
1,1-Dichloroethane	ND		0.5	0.05
i '	ND		10	0.2
2-Butanone			0.5	0.08
cis-1,2-Dichloroethene	ND			0.08
2,2-Dichloropropane	ND		0.5	
Chloroform	ND		0.5	0.09
Bromochloromethane	ND		0.5	0.1
1,1,1-Trichloroethane	ND		0.5	0.1
1,1-Dichloropropene	ND		0.5	0.08
Carbon Tetrachloride	ND		0.5	0.1
1,2-Dichloroethane	ND		0.5	0.1
Benzene	ND		0.5	0.06
Trichloroethene	ND		0.5	0.2
1,2-Dichloropropane	ND		0.5	0.08
Bromodichloromethane	ND		0.5	0.07
	ND		0.5	0.09
Dibromomethane			10	0.06
4-Methyl-2-Pentanone	ND		0.5	0.06
cis-1,3-Dichloropropene	ND			0.1
Toluene	ND		0.5	
trans-1,3-Dichloropropene	ND		0.5	0.04
1,1,2-Trichloroethane	ND		0.5	0.1
2-Hexanone	ND		10	0.05
1,3-Dichloropropane	ND		0.5	0.06
Tetrachloroethene	ND		0.5	0.1
Dibromochloromethane	ND		0.5	0.1
1,2-Dibromoethane	ND		0.5	0.1
Chlorobenzene	ND		0.5	0.1
1,1,1,2-Tetrachloroethane	ND		0.5	0.1
	ND		0.5	0.07
Ethylbenzene	ND ND		0.5	0.1
m,p-Xylenes			0.5	0.09
o-Xylene	ND			0.1
Styrene	ND		0.5	
Bromoform	ND		1.0	0.1
Isopropylbenzene	ND		0.5	0.09
1,1,2,2-Tetrachloroethane	ND		0.5	0.09
1,2,3-Trichloropropane	ND		0.5	0.07
Propylbenzene	ND		0.5	0.06

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Purgeable (Organics by GC/	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-2.4-052206	Batch#:	113998
Lab ID:	187024-004	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.05
2-Chlorotoluene	ND	0.5	0.07
4-Chlorotoluene	ND	0.5	0.04
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.07
sec-Butylbenzene	ND	0.5	0.06
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.08
1,2-Dibromo-3-Chloropropane	ND	2.0	0.2
1,2,4-Trichlorobenzene	ND	0.5	0.1
Hexachlorobutadiene	ND	0.5	0.3
Naphthalene	ND	2.0	0.06
1,2,3-Trichlorobenzene	ND	0.5	0.1

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-120
1,2-Dichloroethane-d4	107	80-130
Toluene-d8	104	80-120
Bromofluorobenzene	100	80-122

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Purgeable	Organics by GC/	MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-2.5-052206	Batch#:	113998
Lab ID:	187024-005	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:	1.000	-	

Freen 12	Analyte	Re	sult	RL	MDL
Vinyl Chloride ND		ND		1.0	0.2
Vinyl Chloride ND		ИD		1.0	0.1
Bromomethane				0.5	0.1
Chloroethane					0.3
Trichlorofluoromethane					
Ethanol ND					
Section ND					The state of the s
Acetone ND					
Preomilia ND		ND			
1.1-Dichloroethene			0.8 J	_ = -	
Methylene Chloride	Freon 113	ND			
Carbon Disulfide	1,1-Dichloroethene	ND			
Carbon Disulfide	Methylene Chloride	ND		10	0.1
MTBE ND		ND		0.5	0.09
Trichloropethane		ND		0.5	0.06
Viny1 Acetate					0.2
1,1-Dichloroethane					<u> </u>
2-Butanone					
Cis-1,2-Dichloroethene ND 0.5 0.08 2,2-Dichloropropane ND 0.5 0.08 Chloroform ND 0.5 0.09 Bromochloromethane ND 0.5 0.1 1,1-Trichloroethane ND 0.5 0.1 1,1-Dichloropropene ND 0.5 0.08 Carbon Tetrachloride ND 0.5 0.1 1,2-Dichloroethane ND 0.5 0.1 1,2-Dichloroethane ND 0.5 0.1 Benzene ND 0.5 0.06 Trichloroethene ND 0.5 0.06 Trichloropropane ND 0.5 0.08 Bromodichloromethane ND 0.5 0.07 Dibromoethane ND 0.5 0.07 Dibromomethane ND 0.5 0.06 cis-1,3-Dichloropropene ND 0.5 0.06 Toluene ND 0.5 0.01 trans-1,3-Dichloropropene ND					
C_1_2_Dichloropropane					
Chloroform ND 0.5 0.09 Bromochloromethane ND 0.5 0.1 1,1,1-Trichloroethane ND 0.5 0.1 1,1-Dichloropropene ND 0.5 0.1 1,1-Dichloropropene ND 0.5 0.8 Carbon Tetrachloride ND 0.5 0.1 1,2-Dichloroethane ND 0.5 0.1 1,2-Dichloroethane ND 0.5 0.1 Benzene ND 0.5 0.6 Trichloroethene ND 0.5 0.6 Trichloropropane ND 0.5 0.2 1,2-Dichloropropane ND 0.5 0.2 1,2-Dichloropropane ND 0.5 0.08 Bromodichloromethane ND 0.5 0.09 Bromodichloromethane ND 0.5 0.09 4-Methyl-2-Pentanone ND 0.5 0.09 4-Methyl-2-Pentanone ND 0.5 0.06 Toluene ND 0.5 0.06 Toluene ND 0.5 0.1 trans-1,3-Dichloropropene ND 0.5 0.1 trans-1,3-Dichloropropene ND 0.5 0.1 trans-1,3-Dichloropropene ND 0.5 0.1 2-Hexanone ND 0.5 0.1 2-Hexanone ND 0.5 0.1 2-Hexanone ND 0.5 0.1 2-Hexanone ND 0.5 0.1 1,1,2-Trichloroethane ND 0.5 0.1 1,2-Dibromoethane ND 0.5 0.1 Dibromochloromethane ND 0.5 0.1 Dibromochloromethane ND 0.5 0.1 Chlorobenzene ND 0.5 0.1 Chlorobenzene ND 0.5 0.1 Chlorobenzene ND 0.5 0.1 Ethylbenzene ND 0.5 0.1 Ethylbenzene ND 0.5 0.1 Tetrachloroethane ND 0.5 0.1 Toluene ND 0.5 0.1 Syrlene ND 0.5 0.1 Spromoform ND 0.5 0.1 Isopropylbenzene ND 0.5 0.1 Isopropylbenzene ND 0.5 0.1 Isopropylbenzene ND 0.5 0.1 Isopropylbenzene ND 0.5 0.09				*	
Bromochloromethane					
1,1,1-Trichloropethane					* · · · ·
1,1-Dichloropropene					
Carbon Tetrachloride	1,1,1-Trichloroethane	ND			* · ·
Carbon Tetrachloride	1,1-Dichloropropene	ND			
1,2-Dichloroethane		ND		0.5	0.1
Denzene		ND		0.5	0.1
Trichloroethene ND 0.5 0.2 1,2-Dichloropropane ND 0.5 0.08 Bromodichloromethane ND 0.5 0.07 Dibromomethane ND 0.5 0.09 4-Methyl-2-Pentanone ND 10 0.06 cis-1,3-Dichloropropene ND 0.5 0.06 Toluene ND 0.5 0.1 trans-1,3-Dichloropropene ND 0.5 0.1 1,1,2-Trichloroethane ND 0.5 0.1 2-Hexanone ND 0.5 0.1 1,3-Dichloropropane ND 0.5 0.06 Tetrachloroethene ND 0.5 0.1 Dibromochloromethane ND 0.5 0.1 1,2-Dibromoethane ND 0.5 0.1 1,1,1,2-Tetrachloroethane ND 0.5 0.1 1,1,1,2-Tetrachloroethane ND 0.5 0.1 1,1,1,2-Tetrachloroethane ND 0.5 0.1 Ethylbenzene<				0.5	0.06
1,2-Dichloropropane					0.2
Bromodichloromethane					0.08
Dibromomethane					- · · · -
## ## ## ## ## ## ## ## ## ## ## ## ##					
Cis-1,3-Dichloropropene					
Toluene ND 0.5 0.1 trans-1,3-Dichloropropene ND 0.5 0.04 1,1,2-Trichloroethane ND 0.5 0.1 2-Hexanone ND 10 0.5 0.06 1,3-Dichloropropane ND 0.5 0.06 Tetrachloroethene ND 0.5 0.1 Dibromochloromethane ND 0.5 0.1 1,2-Dibromoethane ND 0.5 0.1 1,2-Dibromoethane ND 0.5 0.1 Chlorobenzene ND 0.5 0.1 1,1,1,2-Tetrachloroethane ND 0.5 0.1 1,1,1,2-Tetrachloroethane ND 0.5 0.1 Ethylbenzene ND 0.5 0.1 Ethylbenzene ND 0.5 0.07 m,p-Xylenes ND 0.5 0.1 o-Xylene ND 0.5 0.1 Styrene ND 0.5 0.1 Isopropylbenzene ND 0.5 0.1 Isopropylbenzene ND 0.5 0.1 Isopropylbenzene ND 0.5 0.1					
trans-1,3-Dichloropropene ND 0.5 0.04 1,1,2-Trichloroethane ND 0.5 0.1 2-Hexanone ND 10 0.05 1,3-Dichloropropane ND 0.5 0.06 Tetrachloroethene ND 0.5 0.1 Dibromochloromethane ND 0.5 0.1 1,2-Dibromoethane ND 0.5 0.1 1,2-Dibromoethane ND 0.5 0.1 1,1,1,2-Tetrachloroethane ND 0.5 0.1 1,1,1,2-Tetrachloroethane ND 0.5 0.1 Ethylbenzene ND 0.5 0.1 Ethylbenzene ND 0.5 0.1 Ethylenes ND 0.5 0.1 O-Xylene ND 0.5 0.1 Styrene ND 0.5 0.1 Bromoform ND 0.5 0.1 Isopropylbenzene ND 0.5 0.09					
1,1,2-Trichloroethane					
2-Hexanone					
1,3-Dichloropropane	1,1,2-Trichloroethane				
Tetrachloroethene		ND			
Tetrachloroethene ND 0.5 0.1 Dibromochloromethane ND 0.5 0.1 1,2-Dibromoethane ND 0.5 0.1 Chlorobenzene ND 0.5 0.1 1,1,1,2-Tetrachloroethane ND 0.5 0.1 Ethylbenzene ND 0.5 0.07 m,p-Xylenes ND 0.5 0.1 o-Xylene ND 0.5 0.09 Styrene ND 0.5 0.1 Bromoform ND 1.0 0.1 Isopropylbenzene ND 0.5 0.09	1,3-Dichloropropane	ND			
Dibromochloromethane ND 0.5 0.1 1,2-Dibromoethane ND 0.5 0.1 Chlorobenzene ND 0.5 0.1 1,1,1,2-Tetrachloroethane ND 0.5 0.1 Ethylbenzene ND 0.5 0.07 m,p-Xylenes ND 0.5 0.1 o-Xylene ND 0.5 0.09 Styrene ND 0.5 0.1 Bromoform ND 1.0 0.1 Isopropylbenzene ND 0.5 0.09		ND		0.5	0.1
1,2-Dibromoethane ND 0.5 0.1 Chlorobenzene ND 0.5 0.1 1,1,1,2-Tetrachloroethane ND 0.5 0.1 Ethylbenzene ND 0.5 0.07 m,p-Xylenes ND 0.5 0.1 o-Xylene ND 0.5 0.09 Styrene ND 0.5 0.1 Bromoform ND 1.0 0.1 Isopropylbenzene ND 0.5 0.09				0.5	0.1
Chlorobenzene ND 0.5 0.1 1,1,1,2-Tetrachloroethane ND 0.5 0.1 Ethylbenzene ND 0.5 0.07 m,p-Xylenes ND 0.5 0.1 o-Xylene ND 0.5 0.1 Styrene ND 0.5 0.09 Styrene ND 0.5 0.1 Bromoform ND 0.5 0.1 Isopropylbenzene ND 0.5 0.1					0.1
1,1,2-Tetrachloroethane ND 0.5 0.1 Ethylbenzene ND 0.5 0.07 m,p-Xylenes ND 0.5 0.1 o-Xylene ND 0.5 0.09 Styrene ND 0.5 0.1 Bromoform ND 1.0 0.1 Isopropylbenzene ND 0.5 0.09					
The state of the					- ·
m,p-Xylenes ND 0.5 0.1 o-Xylene ND 0.5 0.09 Styrene ND 0.5 0.1 Bromoform ND 1.0 0.1 Isopropylbenzene ND 0.5 0.09					
ND 0.5 0.09	1 -				
Styrene					*
Bromoform ND 1.0 0.1 Isopropylbenzene ND 0.5 0.09					
Isopropylbenzene ND 0.5 0.09	1 4 -				* · =
	Isopropylbenzene				
1,1,2,2-Tetrachloroethane ND 0.5 0.09	1,1,2,2-Tetrachloroethane				
1,2,3-Trichloropropane ND 0.5 0.07		ND			
Propylbenzene ND 0.5 0.06		ND		0.5	0.06

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit
Page 1 of 2



	Purgeable	Organics by GC/N	NS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:		Analysis:	EPA 8260B
Field ID:	MW-2.5-052206	Batch#:	113998
Lab ID:	187024-005	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	${ t ug/L}$	Analyzed:	06/01/06
Diln Fac:	1.000	<u> </u>	

Analyte	Result	RL	MDL
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.05
2-Chlorotoluene	ND	0.5	0.07
4-Chlorotoluene	ND	0.5	0.04
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.07
sec-Butylbenzene	ND	0.5	0.06
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.08
1,2-Dibromo-3-Chloropropane	ND	2.0	0.2
1,2,4-Trichlorobenzene	ND	0.5	0.1
Hexachlorobutadiene	ND	0.5	0.3
Naphthalene	ND	2.0	0.06
1,2,3-Trichlorobenzene	ND	0.5	0.1

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-120
1,2-Dichloroethane-d4	105	80-130
Toluene-d8	105	80-120
Bromofluorobenzene	103	80-122

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Purgeable	Organics by GC/MS	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:		Analysis:	EPA 8260B
Field ID:	MW-2.6-052206	Batch#:	113998
Lab ID:	187024-006	Sampled: Received:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:	1.000		

Analyte	Re	esult	RL	MDL
Freon 12	ND		1.0	0.2
Chloromethane	ND		1.0	0.1
Vinyl Chloride	ND		0.5	0.1
Bromomethane	ND		1.0	0.3
Chloroethane	ND		1.0	0.1
Trichlorofluoromethane	ND		1.0	0.2
1			1,000	23
Ethanol	ND			1.6
Isopropanol	ND		100	
Acetone		0.7 J	10	0.2
Freon 113	ND		5.0	0.1
1,1-Dichloroethene	ND		0.5	0.06
Methylene Chloride	ND	•	10	0.1
Carbon Disulfide	ND		0.5	0.09
MTBE	ND		0.5	0.06
trans-1,2-Dichloroethene	ND		0.5	0.2
Vinyl Acetate	ND		10	0.08
1,1-Dichloroethane	ND		0.5	0.05
2-Butanone	ND		10	0.2
	ND		0.5	0.08
cis-1,2-Dichloroethene			0.5	0.08
2,2-Dichloropropane	ND		0.5	0.09
Chloroform	ND			•
Bromochloromethane	ND		0.5	0.1
1,1,1-Trichloroethane		0.2 J	0.5	0.1
1,1-Dichloropropene	ND		0.5	0.08
Carbon Tetrachloride	ND		0.5	0.1
1,2-Dichloroethane	ND		0.5	0.1
Benzene	ND		0.5	0.06
Trichloroethene	ND		0.5	0.2
1,2-Dichloropropane	ND		0.5	0.08
Bromodichloromethane	ND		0.5	0.07
Dibromomethane	ND		0.5	0.09
4-Methyl-2-Pentanone	ND		10	0.06
	ND		0.5	0.06
cis-1,3-Dichloropropene			0.5	0.1
Toluene	ND		0.5	0.04
trans-1,3-Dichloropropene	ND			0.04
1,1,2-Trichloroethane	ND		0.5	
2-Hexanone	ND		10_	0.05
1,3-Dichloropropane	ND		0.5	0.06
Tetrachloroethene	ND		0.5	0.1
Dibromochloromethane	ND		0.5	0.1
1,2-Dibromoethane	ND		0.5	0.1
Chlorobenzene	ND		0.5	0.1
1,1,1,2-Tetrachloroethane	ND		0.5	0.1
Ethylbenzene	ND		0.5	0.07
m,p-Xylenes	ND		0.5	0.1
o-Xylene	ND		0.5	0.09
Styrene	ND		0.5	0.1
Bromoform	ND		1.0	0.1
	ND		0.5	0.09
Isopropylbenzene	ND		0.5	0.09
1,1,2,2-Tetrachloroethane				0.09
1,2,3-Trichloropropane	ND		0.5	
Propylbenzene	ND		0.5	0.06

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit
Page 1 of 2



	Purgeable	Organics by GC/	MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-2.6-052206	Batch#:	113998
Lab ID:	187024-006	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:	1.000	4	

Analyte	Result	RL	MDL
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.05
2-Chlorotoluene	ND	0.5	0.07
4-Chlorotoluene	ND	0.5	0.04
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.07
sec-Butylbenzene	ND	0.5	0.06
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.08
1,2-Dibromo-3-Chloropropane	ND	2.0	0.2
1,2,4-Trichlorobenzene	ND	0.5	0.1
Hexachlorobutadiene	ND	0.5	0.3
Naphthalene	ND	2.0	0.06
1,2,3-Trichlorobenzene	ND	0.5	0.1

Surrogate	%REC	Limits
Dibromofluoromethane	113	80-120
1,2-Dichloroethane-d4	107	80-130
Toluene-d8	105	80-120
Bromofluorobenzene	101	80-122

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Purgeable (Organics by GC/	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-4.1-052206	Batch#:	113998
Lab ID:	187024-007	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/02/06
Diln Fac:		<u> </u>	

Analyte	Re	esult	RL	MDL
Freon 12	ND		1.0	0.2
Chloromethane	ND		1.0	0.1
Vinyl Chloride	ND		0.5	0.1
Bromomethane	ND		1.0	0.3
			1.0	0.1
Chloroethane	ND			0.2
Trichlorofluoromethane	ND		1.0	
Ethanol	ND		1,000	23
Isopropanol	ND		100	1.6
Acetone		0.9 J	10	0.2
Freon 113	ND		5.0	0.1
1,1-Dichloroethene	ND		0.5	0.06
Methylene Chloride		0.2 J	10	0.1
Carbon Disulfide	ND		0.5	0.09
MTBE	ND		0.5	0.06
trans-1,2-Dichloroethene	ND		0.5	0.2
Vinyl Acetate	ND		10	0.08
	ND		0.5	0.05
1,1-Dichloroethane			10	0.2
2-Butanone	ND		0.5	0.08
cis-1,2-Dichloroethene	ND			
2,2-Dichloropropane	ND		0.5	0.08
Chloroform	ND		0.5	0.09
Bromochloromethane	ND		0.5	0.1
1,1,1-Trichloroethane	ND		0.5	0.1
1,1-Dichloropropene	ND		0.5	0.08
Carbon Tetrachloride	ND		0.5	0.1
1,2-Dichloroethane	ND		0.5	0.1
Benzene	ND		0.5	0.06 l
Trichloroethene	ND		0.5	0.2
1,2-Dichloropropane	ND		0.5	0.08
Bromodichloromethane	ND		0.5	0.07
	ND		0.5	0.09
Dibromomethane			10	0.06
4-Methyl-2-Pentanone	ND			0.06
cis-1,3-Dichloropropene	ND		0.5	
Toluene	ND		0.5	0.1
trans-1,3-Dichloropropene	ND		0.5	0.04
1,1,2-Trichloroethane	ND		0.5	0.1_
2-Hexanone	ND		10	0.05
1,3-Dichloropropane	ND		0.5	0.06
Tetrachloroethene	ND		0.5	0.1
Dibromochloromethane	ND		0.5	0.1
1,2-Dibromoethane	ND		0.5	0.1
Chlorobenzene	ND		0.5	0.1
1,1,1,2-Tetrachloroethane	ND		0.5	0.1
Ethylbenzene	ND		0.5	0.07
	ND		0.5	0.1
m, p-Xylenes	ND		0.5	0.09
o-Xylene			0.5	0.1
Styrene	ND			0.1
Bromoform	ND		1.0	
Isopropylbenzene	ND		0.5	0.09
1,1,2,2-Tetrachloroethane	ND		0.5	0.09
1,2,3-Trichloropropane	ND		0.5	0.07
Propylbenzene	ND		0.5	0.06

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



		Organics by GC/1	MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-4.1-052206	Batch#:	113998
Lab ID:	187024-007	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	uq/L	Analyzed:	06/02/06
Diln Fac:	1.000	-2	,,

Analyte	Result	RL	MDL
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.05
2-Chlorotoluene	ND	0.5	0.07
4-Chlorotoluene	ND	0.5	0.04
tert-Butylbenzene	ND	0.5	0.08
1,2,4-Trimethylbenzene	ND	0.5	0.07
sec-Butylbenzene	ND	0.5	0.06
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.1
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.08
1,2-Dibromo-3-Chloropropane	ND	2.0	0.2
1,2,4-Trichlorobenzene	ND	0.5	0.1
Hexachlorobutadiene	ND	0.5	0.3
Naphthalene	ND	2.0	0.06
1,2,3-Trichlorobenzene	ND	0.5	0.1

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-120
1,2-Dichloroethane-d4	106	80-130
Toluene-d8	104	80-120
Bromofluorobenzene	99	80-122

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit
Page 2 of 2



	Purgeable	Organics by GC/	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-4.2-052206	Batch#:	113999
Lab ID:	187024-008	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	uq/L	Analyzed:	06/01/06
Diln Fac:	1.000		· ·

Analyte)(3)(c	RL	MDL
Freon 12	ND	sux.L	1.0	0.1
Chloromethane	ND		1.0	0.2
Vinyl Chloride			0.5	0.2
	ND			0.2
Bromomethane	ND		1.0	
Chloroethane	ND		1.0	0.3
Trichlorofluoromethane	ND		1.0	0.06
Ethanol	ND		1,000	22
Isopropanol	ND		100	2.7
Acetone	ND		10	0.9
Freon 113	ND		5.0	0.1
1,1-Dichloroethene	ND		0.5	0.2
Methylene Chloride		0.3 J	10	0.2
Carbon Disulfide		0.05 J	0.5	0.03
MTBE	ND		0.5	0.07
trans-1,2-Dichloroethene	ND		0.5	0.1
Vinyl Acetate	ND		10	0.4
1,1-Dichloroethane	ND		0.5	0.06
2-Butanone	ND		10	0.2
cis-1,2-Dichloroethene	ND		0.5	0.2
2,2-Dichloropropane	ND		0.5	0.2
Chloroform	ND		0.5	0.05
Bromochloromethane	ND		0.5	0.09
1,1,1-Trichloroethane	ND		0.5	0.07
1,1-Dichloropropene	ND		0.5	0.1
Carbon Tetrachloride	ND		0.5	0.1
1,2-Dichloroethane	ND		0.5	0.09
Benzene		0.09 J	0.5	0.04
Trichloroethene	ND		0.5	0.08
1,2-Dichloropropane	ND		0.5	0.06
Bromodichloromethane	ND		0.5	0.04
Dibromomethane	ND		0.5	0.06
4-Methyl-2-Pentanone	ND		10	0.08
cis-1,3-Dichloropropene	ND		0.5	0.07
Toluene	112	0.1 J	0.5	0.08
trans-1,3-Dichloropropene	ND	0.10	0.5	0.07
1,1,2-Trichloroethane	ND		0.5	0.1
2-Hexanone	ND		10	0.3
1,3-Dichloropropane	ND		0.5	0.07
Tetrachloroethene	ND		0.5	0.1
Dibromochloromethane	ND		0.5	0.05
1,2-Dibromoethane	ND		0.5	0.06
Chlorobenzene	ND		0.5	0.09
1,1,1,2-Tetrachloroethane	ND		0.5	0.09
Ethylbenzene	ND		0.5	0.08
m,p-Xylenes	ND ND		0.5	0.08
	ND ND		0.5	0.2
o-Xylene	ND		0.5	0.06
Styrene	ИП	О 1 Т		0.09
Bromoform	NTT-	0.1 J	1.0	0.09
Isopropylbenzene	ND		0.5	*
1,1,2,2-Tetrachloroethane	ND		0.5	0.1
1,2,3-Trichloropropane	ND		0.5	0.3

J= Estimated value b= See narrative ND= Not Detected RL= Reporting Limit MDL= Method Detection Limit Page 1 of 2



	Purgeable (organics by GC/	MS
Lab #: Client: Project#:	187024 Acton Mickelson Environmental 16017.01	Location: Prep: Analysis:	Former GA-Pacific Sawmill EPA 5030B EPA 8260B
Field ID: Lab ID: Matrix: Units: Diln Fac:	MW-4.2-052206 187024-008 Water ug/L	Batch#: Sampled: Received: Analyzed:	113999 05/22/06 05/23/06 06/01/06

Analyte	Result	RL	MDL
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.09
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.09
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	0.2 J b	2.0	0.1
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits	
Dibromofluoromethane	99	80-120	
1,2-Dichloroethane-d4	100	80-130	
Toluene-d8	103	80-120	
Bromofluorobenzene	113	80-122	

J= Estimated value
b= See narrative
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Purgeable	Organics by GC/M	S
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-4.3-052206	Batch#:	113999
Lab ID:	187024-009	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	uq/L	Analyzed:	06/01/06
Diln Fac:	1.000	<u> </u>	

Analyte	Re	esult	RL	MDL
Freon 12	ND		1.0	0.1
Chloromethane	ND		1.0	0.2
Vinyl Chloride	ND		0.5	0.2
Bromomethane	ND			0.3
			1.0	
Chloroethane	ND		1.0	0.3
Trichlorofluoromethane	ND		1.0	0.06
Ethanol	ND		1,000	22
Isopropanol	ND		100	2.7
Acetone	ND		10	0.9
Freon 113	ND		5.0	0.1
1,1-Dichloroethene	ND .		0.5	0.2
Methylene Chloride		0.3 J	10	0.2
Carbon Disulfide		0.1 J	0.5	0.03
MTBE	ND	0.1 0	0.5	
				0.07
trans-1,2-Dichloroethene	ND		0.5	0.1
Vinyl Acetate	ND		10	0.4
1,1-Dichloroethane	ND		0.5	0.06
2-Butanone	ND		10	0.2
cis-1,2-Dichloroethene	ND		0.5	0.2
2,2-Dichloropropane	ND		0.5	0.2
Chloroform	ND		0.5	0.05
Bromochloromethane	ND		0.5	0.09
1,1,1-Trichloroethane	ND		0.5	0.07
1,1-Dichloropropene	ND		0.5	0.07
Carbon Tetrachloride	ND		0.5	0.1
1,2-Dichloroethane	ND		0.5	0.09
Benzene	ND		0.5	0.04
Trichloroethene	ND		0.5	0.08
1,2-Dichloropropane	ND		0.5	0.06
Bromodichloromethane	ND		0.5	0.04
Dibromomethane	ND		0.5	0.06
4-Methyl-2-Pentanone	ND		10	0.08
cis-1,3-Dichloropropene	ND		0.5	0.07
Toluene	ND		0.5	0.08
trans-1,3-Dichloropropene	ND		0.5	0.07
1,1,2-Trichloroethane	ND		0.5	0.1
2-Hexanone	ND			
			10	0.3
1,3-Dichloropropane	ND		0.5	0.07
Tetrachloroethene	ND		0.5	0.1
Dibromochloromethane	ND		0.5	0.05
1,2-Dibromoethane	ND		0.5	0.06
Chlorobenzene	ND		0.5	0.09
1,1,1,2-Tetrachloroethane	ND		0.5	0.09
Ethylbenzene	ND		0.5	0.08
m,p-Xylenes	ND		0.5	0.2
o-Xylene	ND		0.5	0.06
Styrene	ND		0.5	0.09
Bromoform	1417	0.1 J	1.0	0.09
Isopropylbenzene	ND	0 . ± U		
			0.5	0.06
1,1,2,2-Tetrachloroethane	ND		0.5	0.1
1,2,3-Trichloropropane	ND		0.5	0.3

J= Estimated value
b= See narrative
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

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	Purgeable	Organics by GC/	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
	16017.01	Analysis:	EPA 8260B
Field ID:	MW-4.3-052206	Batch#:	113999
Lab ID:	187024-009	Sampled:	05/22/06
Matrix:	Water	Sampled: Received:	05/23/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:	1.000	-	

Analyte	Result	RL	MDL
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.09
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.09
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	0.1 J b	2.0	0.1
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits	
Dibromofluoromethane	99	80-120	
1,2-Dichloroethane-d4	104	80-130	
Toluene-d8	105	80-120	
Bromofluorobenzene	107	80-122	

J= Estimated value
b= See narrative
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Purgeable	Organics by GC/	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-4.4-052206	Batch#:	113999
Lab ID:	187024-010	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:	1.000	2	

Freon 12 ND 1.0 0.1 Chloromethane ND 1.0 0.2 Vinyl Chloride ND 0.5 0.2 Bromomethane ND 1.0 0.3 Chloroethane ND 1.0 0.3	
Vinyl Chloride ND 0.5 0.2 Bromomethane ND 1.0 0.3 Chloroethane ND 1.0 0.3	
Bromomethane ND 1.0 0.3 Chloroethane ND 1.0 0.3	I
Bromomethane ND 1.0 0.3 Chloroethane ND 1.0 0.3	
Chloroethane ND 1.0 0.3	
difference	
Trichlorofluoromethane ND 1.0 0.06	
Ethanol ND 1,000 22	İ
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Methylene Chloride 0.3 J 10 0.2	
Carbon Disulfide 0.06 J 0.5 0.03	
MTBE ND 0.5 0.07	
trans-1,2-Dichloroethene ND 0.5 0.1	
Vinyl Acetate ND 10 0.4	
1,1-Dichloroethane ND 0.5 0.06	
2-Butanone ND 10 0.2	
cis-1,2-Dichloroethene ND 0.5 0.2	
2,2-Dichloropropane ND 0.5 0.2	
Chloroform ND 0.5 0.05	
Bromochloromethane ND 0.5 0.09	
1,1,1-Trichloroethane ND 0.5 0.07	
1 -/	
2 - 2	
Delization	
1 I I CHI DI OCCITORC	
1,2-Dichloropropane ND 0.5	
Bromodichloromethane ND 0.5 0.04	
Dibromomethane ND 0.5 0.06	
4-Methyl-2-Pentanone ND 10 0.08	
cis-1,3-Dichloropropene ND 0.5 0.07	
Toluene ND 0.5 0.08	
trans-1,3-Dichloropropene ND 0.5 0.07	
1,1,2-Trichloroethane ND 0.5 0.1	
2-Hexanone ND 10 0.3	
1,3-Dichloropropane ND 0.5 0.07	
Tetrachloroethene ND 0.5	
Dibromochloromethane ND 0.5 0.05	
1,2-Dibromoethane ND 0.5 0.06	
1,2 Dibiomoccinate	
CHIOLOGOCHECHC	
11,1,1,2 lettachiolocchane	
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O AYICHE	
beyrene	
1 DIOMOTOTII	
Isopropylbenzene ND 0.5 0.06	
1,1,2,2-Tetrachloroethane ND 0.5	
1,2,3-Trichloropropane ND 0.5	
Propylbenzene ND 0.5 0.1	

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit
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	Purgeable	Organics by GC/M	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-4.4-052206	Batch#:	113999
Lab ID:	187024-010	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:	1.000	7	

Analyte	Result	RL	MDL
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.09
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.09
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.1
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120
1,2-Dichloroethane-d4	109	80-130
Toluene-d8	105	80-120
Bromofluorobenzene	107	80-122

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Purgeable	Organics by GC/M	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-5.6-052206	Batch#:	113999
Lab ID:	187024-011	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:	1.000	-	

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.1
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
1 4 -	ND	1.0	0.3
Bromomethane			0.3
Chloroethane	ND	1.0	0.06
Trichlorofluoromethane	ND	1.0	
Ethanol	ND	1,000	22
Isopropanol	ND	100	2.7
Acetone	ND	10	0.9
Freon 113	ND	5.0	0.1
1,1-Dichloroethene	ND	0.5	0.2
Methylene Chloride	0.3 Ј	10	0.2
Carbon Disulfide	0.04 J	0.5	0.03
MTBE	0.2 J	0.5	0.07
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.4
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.2
1		0.5	0.2
cis-1,2-Dichloroethene	ND	0.5	0.2
2,2-Dichloropropane	ND		0.05
Chloroform	ND	0.5	
Bromochloromethane	ND	0.5	0.09
1,1,1-Trichloroethane	ND	0.5	0.07
1,1-Dichloropropene	ND	0.5	0.1
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.09
Benzene	ND	0.5	0.04
Trichloroethene	ND	0.5	0.08
1,2-Dichloropropane	ND	0.5	0.06
Bromodichloromethane	ND	0.5	0.04
Dibromomethane	ND	0.5	0.06
4-Methyl-2-Pentanone	ND	10	0.08
cis-1,3-Dichloropropene	ND	0.5	0.07
Toluene	ND ND	0.5	0.08
		0.5	0.07
trans-1,3-Dichloropropene	ND	0.5	0.1
1,1,2-Trichloroethane	ND		0.3
2-Hexanone	ND	10	0.07
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	- · · · · · · · · · · · · · · · · · · ·
Dibromochloromethane	ND	0.5	0.05
1,2-Dibromoethane	ND	0.5	0.06
Chlorobenzene	ND	0.5	0.09
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.08
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.06
Styrene	ND	0.5	0.09
Bromoform	ND	1.0	0.09
Isopropylbenzene	ND	0.5	0.06
1,1,2,2-Tetrachloroethane	ND	0.5	0.1
1,2,3-Trichloropropane	ND	0.5	0.3
Propylbenzene	ND	0.5	0.1
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J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit

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	Purgeable	Organics by GC/N	4S
Lab #:	187024	Location:	Former GA-Pacific Sawmill
	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-5.6-052206	Batch#:	113999
Lab ID:	187024-011	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	uq/L	Analyzed:	06/01/06
Diln Fac:	1.000		,,

Analyte	Result	RL	MDL
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.09
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.09
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.1
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits	
Dibromofluoromethane	101	80-120	
1,2-Dichloroethane-d4	117	80-130	
Toluene-d8	104	80-120	
Bromofluorobenzene	111	80-122	

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



Purgeable Organics by GC/MS						
Lab #:	187024	Location:	Former GA-Pacific Sawmill			
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B			
Project#:	16017.01	Analysis:	EPA 8260B			
Field ID:	MW-5.7-052206	Batch#:	113999			
Lab ID:	187024-012	Sampled:	05/22/06			
Matrix:	Water	Received:	05/23/06			
Units:	ug/L	Analyzed:	06/01/06			
Diln Fac:		2				

Analyte	Result	RL	MDL
Freon 12	ND	1.0	0.1
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND	1.0	0.3
	ND	1.0	0.3
Chloroethane			0.06
Trichlorofluoromethane	ND	1.0	
Ethanol	ND	1,000	22
Isopropanol	ND	100	2.7
Acetone		7 J 10	0.9
Freon 113	ND	5.0	0.1
1,1-Dichloroethene	ND	0.5	0.2
Methylene Chloride	ND	10	0.2
Carbon Disulfide	0.	03 J 0.5	0.03
MTBE	1.	1 0.5	0.07
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.4
1,1-Dichloroethane	ND	0.5	0.06
2-Butanone	ND	10	0.2
cis-1,2-Dichloroethene	ND ·	0.5	0.2
	ND	0.5	0.2
2,2-Dichloropropane	ND	0.5	0.05
Chloroform		0.5	0.09
Bromochloromethane	ND	0.5	0.09
1,1,1-Trichloroethane	ND		
1,1-Dichloropropene	ND	0.5	0.1
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.09
Benzene	ND	0.5	0.04
Trichloroethene	ND	0.5	0.08
1,2-Dichloropropane	ND	0.5	0.06
Bromodichloromethane	ND	0.5	0.04
Dibromomethane	ND	0.5	0.06
4-Methyl-2-Pentanone	ND	10	0.08
cis-1,3-Dichloropropene	ND	0.5	0.07
Toluene	ND	0.5	0.08
trans-1,3-Dichloropropene	ND	0.5	0.07
1,1,2-Trichloroethane	ND	0.5	0.1
2-Hexanone	ND	10	0.3
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.1
Dibromochloromethane	ND ND	0.5	0.05
1,2-Dibromoethane	ND ND	0.5	0.06
Chlorobenzene	ND	0.5	0.00
		0.5	0.09
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND		
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.06
Styrene	ND	0.5	0.09
Bromoform		09 J 1.0	0.09
Isopropylbenzene	ND	0.5	0.06
1,1,2,2-Tetrachloroethane	ND	0.5	0.1
1,2,3-Trichloropropane	ND	0.5	0.3
Propylbenzene	ND	0.5	0.1

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit
Page 1 of 2



	Purgeable	Organics by GC/	MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-5.7-052206	Batch#:	113999
Lab ID:	187024-012	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:			

Analyte	Result	RL	MDL
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.09
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.09
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.1
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits	
Dibromofluoromethane	103	80-120	
1,2-Dichloroethane-d4	117	80-130	
Toluene-d8	105	80-120	
Bromofluorobenzene	111	80-122	

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Purgeable (Organics by GC/	MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-5.8-052206	Batch#:	113999
Lab ID:	187024-013	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	uq/L	Analyzed:	06/01/06
Diln Fac:	1.000		

Analyte	Result	RT.	MDL
Freon 12	ND	1.0	0.1
Chloromethane	ND	1.0	0.2
Vinyl Chloride	ND	0.5	0.2
Bromomethane	ND ND	1.0	0.2
Chloroethane			
	ND	1.0	0.3
Trichlorofluoromethane	ND	1.0	0.06
Ethanol	ND	1,000	22
Isopropanol	ND	100	2.7
Acetone	ND	10	0.9
Freon 113	ND	5.0	0.1
1,1-Dichloroethene	ND	0.5	0.2
Methylene Chloride	ND	10	0.2
Carbon Disulfide		0.5 O.5	0.03
MTBE	ND	0.5	0.07
trans-1,2-Dichloroethene	ND	0.5	0.1
Vinyl Acetate	ND	10	0.4
1,1-Dichloroethane	ND	0.5	0.06
1 '			* ·
2-Butanone	ND	10	0.2
cis-1,2-Dichloroethene	ND	0.5	0.2
2,2-Dichloropropane	ND	0.5	0.2
Chloroform	ND	0.5	0.05
Bromochloromethane	ND	0.5	0.09
1,1,1-Trichloroethane	ND	0.5	0.07
1,1-Dichloropropene	ND	0.5	0.1
Carbon Tetrachloride	ND	0.5	0.1
1,2-Dichloroethane	ND	0.5	0.09
Benzene	ND	0.5	0.04
Trichloroethene	ND	0.5	0.08
1,2-Dichloropropane	ND	0.5	0.06
Bromodichloromethane	ND	0.5	0.04
Dibromomethane	ND	0.5	0.06
			0.08
4-Methyl-2-Pentanone	ND	10	
cis-1,3-Dichloropropene	ND	0.5	0.07
Toluene	ND	0.5	0.08
trans-1,3-Dichloropropene	ND	0.5	0.07
1,1,2-Trichloroethane	ND	0.5	0.1
2-Hexanone	ND	10	0.3
1,3-Dichloropropane	ND	0.5	0.07
Tetrachloroethene	ND	0.5	0.1
Dibromochloromethane	ND	0.5	0.05
1,2-Dibromoethane	ND	0.5	0.06
Chlorobenzene	ND	0.5	0.09
1,1,1,2-Tetrachloroethane	ND	0.5	0.09
Ethylbenzene	ND	0.5	0.08
m,p-Xylenes	ND	0.5	0.2
o-Xylene	ND	0.5	0.06
1	ND	0.5	0.00
Styrene			* * * * *
Bromoform	ND	1.0	0.09
Isopropylbenzene	ND	0.5	0.06
1,1,2,2-Tetrachloroethane	ND	0.5	0.1
1,2,3-Trichloropropane	ND	0.5	0.3
Propylbenzene	ND	0.5	0.1

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Purgeable	Organics by GC/	MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-5.8-052206	Batch#:	113999
Lab ID:	187024-013	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	uq/L	Analyzed:	06/01/06
Diln Fac:	1.000	•	

Analyte	Result	RL	MDL
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.09
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.09
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.1
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits	
Dibromofluoromethane	105	80-120	
1,2-Dichloroethane-d4	117	80-130	
Toluene-d8	104	80-120	
Bromofluorobenzene	112	80-122	

J= Estimated value ND= Not Detected RL= Reporting Limit MDL= Method Detection Limit



	Purgeable	Organics by GC/	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-5.9-052206	Batch#:	113999
Lab ID:	187024-014	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:	1.000	2	

Analyte	Res	ult	RL	MDL
Freon 12	ND		1.0	0.1
Chloromethane	ND		1.0	0.2
Vinyl Chloride	ND		0.5	0.2
			1.0	0.3
Bromomethane	ND			0.3
Chloroethane	ND		1.0	
Trichlorofluoromethane	ND		1.0	0.06
Ethanol	ND		1,000	22
Isopropanol	ND		100	2.7
Acetone		0.9 J	10	0.9
Freon 113	ND		5.0	0.1
1,1-Dichloroethene	ND		0.5	0.2
Methylene Chloride	1,12	0.4 J	10	0.2
		0.04 J	0.5	0.03
Carbon Disulfide	NTO	0.04 0	0.5	0.07
MTBE	ND			
trans-1,2-Dichloroethene	ND		0.5	0.1
Vinyl Acetate	ND		10	0.4
1,1-Dichloroethane	ND		0.5	0.06
2-Butanone	ND		10	0.2
cis-1,2-Dichloroethene	ND		0.5	0.2
2,2-Dichloropropane	ND		0.5	0.2
Chloroform	ND		0.5	0.05
Bromochloromethane	ND		0.5	0.09
	ND		0.5	0.07
1,1,1-Trichloroethane			0.5	0.1
1,1-Dichloropropene	ND		0.5	The state of the s
Carbon Tetrachloride	ND		0.5	0.1
1,2-Dichloroethane	ND		0.5	0.09
Benzene	ND		0.5	0.04
Trichloroethene	ND		0.5	0.08
1,2-Dichloropropane	ND		0.5	0.06
Bromodichloromethane	ND		0.5	0.04
Dibromomethane	ND		0.5	0.06
4-Methyl-2-Pentanone	ND		10	0.08
	ND		0.5	0.07
cis-1,3-Dichloropropene			0.5	0.08
Toluene	ND			
trans-1,3-Dichloropropene	ND		0.5	0.07
1,1,2-Trichloroethane	ND		0.5	0.1
2-Hexanone	ND		10	0.3_
1,3-Dichloropropane	ND		0.5	0.07
Tetrachloroethene	ND		0.5	0.1
Dibromochloromethane	ND		0.5	0.05
1,2-Dibromoethane	ND		0.5	0.06
Chlorobenzene	ND		0.5	0.09
	ND		0.5	0.09
1,1,1,2-Tetrachloroethane			0.5	0.08
Ethylbenzene	ND			0.0
m,p-Xylenes	ND		0.5	
o-Xylene	ND		0.5	0.06
Styrene	ND		0.5	0.09
Bromoform	ND		1.0	0.09
Isopropylbenzene	ND		0.5	0.06
1,1,2,2-Tetrachloroethane	ND		0.5	0.1
1,2,3-Trichloropropane	ND		0.5	0.3
Propylbenzene	ND		0.5	0.1
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J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit
Page 1 of 2



	Purgeable (Organics by GC/	MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-5.9-052206	Batch#:	113999
Lab ID:	187024-014	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.09
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.09
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.1
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits	
Dibromofluoromethane	104	80-120	
1,2-Dichloroethane-d4	120	80-130	
Toluene-d8	105	80-120	
Bromofluorobenzene	111	80-122	

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Purgeable	Organics by GC/	MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	DUP-1-052206	Batch#:	113999
Lab ID:	187024-015	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	uq/L	Analyzed:	06/01/06
Diln Fac:	1.000	<u> </u>	

Analyte	Res	ult	RL	MDL
Freon 12	ND		1.0	0.1
Chloromethane	ND		1.0	0.2
Vinyl Chloride	ND		0.5	0.2
Bromomethane	ND		1.0	0.3
Chloroethane	ND		1.0	0.3
Trichlorofluoromethane	ND		1.0	0.06
Ethanol	ND		1,000	22
	ND ND		100	2.7
Isopropanol				
Acetone	ND		10	0.9
Freon 113	ND		5.0	0.1
1,1-Dichloroethene	ND		0.5	0.2
Methylene Chloride		0.3 J	10	0.2
Carbon Disulfide	ND		0.5	0.03
MTBE	ND		0.5	0.07
trans-1,2-Dichloroethene	ND		0.5	0.1
Vinyl Acetate	ND		10	0.4
1,1-Dichloroethane	ND		0.5	0.06
2-Butanone	ND		10	0.2
cis-1,2-Dichloroethene	ND		0.5	0.2
2,2-Dichloropropane	ND		0.5	0.2
Chloroform	ND ND		0.5	0.05
Bromochloromethane	ND		0.5	0.09
1,1,1-Trichloroethane	ND		0.5	0.07
1,1-Dichloropropene	ND		0.5	0.1
Carbon Tetrachloride	ND		0.5	0.1
1,2-Dichloroethane	ND		0.5	0.09
Benzene	ND		0.5	0.04
Trichloroethene	ND		0.5	0.08
1,2-Dichloropropane	ND		0.5	0.06
Bromodichloromethane	ND		0.5	0.04
Dibromomethane	ND		0.5	0.06
4-Methyl-2-Pentanone	ND		10	0.08
cis-1,3-Dichloropropene	ND		0.5	0.07
Toluene	ND		0.5	0.08
twons 1 2 Dishlamananana				0.08
trans-1,3-Dichloropropene	ND		0.5	*
1,1,2-Trichloroethane	ND		0.5	0.1
2-Hexanone	ND		10	0.3
1,3-Dichloropropane	ND		0.5	0.07
Tetrachloroethene	ND		0.5	0.1
Dibromochloromethane	ND		0.5	0.05
1,2-Dibromoethane	ND		0.5	0.06
Chlorobenzene	ND		0.5	0.09
1,1,1,2-Tetrachloroethane	ND		0.5	0.09
Ethylbenzene	ND		0.5	0.08
m,p-Xylenes	ND		0.5	0.2
o-Xylene	ND		0.5	0.06
Styrene	ND		0.5	0.09
Bromoform	ND		1.0	0.09
Isopropylbenzene	ND		0.5	0.06
1,1,2,2-Tetrachloroethane	ND		0.5	0.1
1,2,3-Trichloropropane	ND		0.5	0.3
Propylbenzene	ND		0.5	0.1

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Purgeable	Organics by GC/	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	DUP-1-052206	Batch#:	113999
Lab ID:	187024-015	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:	1.000	4	

Analyte	Result	RL	MDL
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.09
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.09
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.1
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits	
Dibromofluoromethane	107	80-120	
1,2-Dichloroethane-d4	121	80-130	
Toluene-d8	104	80-120	
Bromofluorobenzene	112	80-122	

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Purgeable	Organics by GC/	MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	DUP-3-052206	Batch#:	113999
Lab ID:	187024-016	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	uq/L	Analyzed:	06/01/06
Diln Fac:	1.000	<u> </u>	,

Analyte	Resul	-	RL	MDL
Freon 12	ND		1.0	0.1
Chloromethane	ND		1.0	0.2
	ND		0.5	0.2
Vinyl Chloride				
Bromomethane	ND		1.0	0.3
Chloroethane	ND		1.0	0.3
Trichlorofluoromethane	ND		1.0	0.06
Ethanol	ND		1,000	22
Isopropanol	ND		100	2.7
Acetone	ND		10	0.9
Freon 113	ND		5.0	0.1
1,1-Dichloroethene	ND		0.5	0.2
Methylene Chloride		.3 J	10	0.2
Carbon Disulfide		.04 J	0.5	0.03
MTBE	ND	.04 0	0.5	0.07
trans-1,2-Dichloroethene	ND		0.5	0.1
Vinyl Acetate	ND		10	0.4
1,1-Dichloroethane	ND		0.5	0.06
2-Butanone	ND		10	0.2
cis-1,2-Dichloroethene	ND		0.5	0.2
2,2-Dichloropropane	ND		0.5	0.2
Chloroform	ND		0.5	0.05
Bromochloromethane	ND		0.5	0.09
1,1,1-Trichloroethane	ND		0.5	0.07
1,1-Dichloropropene	ND		0.5	0.1
Carbon Tetrachloride	ND		0.5	0.1
1,2-Dichloroethane	ND		0.5	0.09
Benzene	ND	•	0.5	0.04
Trichloroethene	ND		0.5	0.08
1,2-Dichloropropane	ND		0.5	0.06
	ND		0.5	0.04
Bromodichloromethane				
Dibromomethane	ND		0.5	0.06
4-Methyl-2-Pentanone	ND		10_	0.08
cis-1,3-Dichloropropene	ND		0.5	0.07
Toluene	ND		0.5	0.08
trans-1,3-Dichloropropene	ND		0.5	0.07
1,1,2-Trichloroethane	ND		0.5	0.1
2-Hexanone	ND		10	0.3
1,3-Dichloropropane	ND		0.5	0.07
Tetrachloroethene	ND		0.5	0.1
Dibromochloromethane	ND		0.5	0.05
1,2-Dibromoethane	ND		0.5	0.06
Chlorobenzene	ND		0.5	0.09
1,1,1,2-Tetrachloroethane	ND		0.5	0.09
	ND ND		0.5	0.09
Ethylbenzene			0.5	0.08
m,p-Xylenes	ND			
o-Xylene	ND		0.5	0.06
Styrene	ND		0.5	0.09
Bromoform	ND		1.0	0.09
Isopropylbenzene	ND		0.5	0.06
1,1,2,2-Tetrachloroethane	ND		0.5	0.1
1,2,3-Trichloropropane	ND		0.5	0.3
Propylbenzene	ND		0.5	0.1
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J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Purgeable (Organics by GC/	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	DUP-3-052206	Batch#:	113999
Lab ID:	187024-016	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:		4	

Analyte	Result	RL	MDL
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.09
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.09
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.1
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits	
Dibromofluoromethane	105	80-120	
1,2-Dichloroethane-d4	119	80-130	
Toluene-d8	104	80-120	
Bromofluorobenzene	109	80-122	

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit
Page 2 of 2



	Purgeable	Organics by GC/M	(S
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-2.1-052206TB1	Batch#:	113999
Lab ID:	187024-017	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:	1.000		

Free	Analyte	Resu	7 +	RL	MDL
Chloromethane					
Vinyl Chloride ND					* · -
Bromomethane					
Chlorocethane					
Trichlorofluoromethane ND					
Ethanol					
Isopropanol ND					
Acetone	Ethanol	ND		1,000	22
Freen 113	Isopropanol	ND		100	2.7
1.1-Dichloroethene	Acetone		1.0 J	10	0.9
1.1-Dichloroethene	Freon 113	ND		5.0	0.1
Methylene Chloride					
Carbon Disulfide			Λ 4 .Т		
MTBE ND			0.40		
Trans-1,2-Dichloroethene	1				
Vinyl Acetate	1				
1,1-Dichloroethane					
2-Butanone					
cis-1,2-Dichloropethene ND 0.5 0.2 2,2-Dichloropropane ND 0.5 0.2 Chloroform ND 0.5 0.05 Bromochloromethane ND 0.5 0.09 1,1-Trichloroethane ND 0.5 0.07 1,1-Dichloropropene ND 0.5 0.1 Carbon Tetrachloride ND 0.5 0.1 1,2-Dichloroethane ND 0.5 0.09 Benzene ND 0.5 0.04 Trichloroethene ND 0.5 0.08 1,2-Dichloropropane ND 0.5 0.08 1,2-Dichloropropane ND 0.5 0.08 1,2-Dichloropropane ND 0.5 0.06 Bromodichloromethane ND 0.5 0.06 4-Methyl-2-Pentanone ND 0.5 0.06 4-Methyl-2-Pentanone ND 0.5 0.07 Toluene ND 0.5 0.07 Toluene ND					
2,2-Dichloropropane		ND		10	
Chloroform		ND		0.5	0.2
Chloroform	2,2-Dichloropropane	ND		0.5	0.2
Bromochloromethane		ND		0.5	0.05
1,1,1-Trichloroethane ND 0.5 0.07 1,1-Dichloropropene ND 0.5 0.1 Carbon Tetrachloride ND 0.5 0.1 1,2-Dichloroethane ND 0.5 0.09 Benzene ND 0.5 0.04 Trichloroethene ND 0.5 0.08 1,2-Dichloropropane ND 0.5 0.06 Bromodichloromethane ND 0.5 0.04 Bromodichloromethane ND 0.5 0.04 Dibromomethane ND 0.5 0.04 Dibromomethane ND 0.5 0.06 4-Methyl-2-Pentanone ND 0.5 0.07 Toluene ND 0.5 0.07 Toluene ND 0.5 0.07 trans-1,3-Dichloropropene ND 0.5 0.07 1,1,2-Trichloroethane ND 0.5 0.1 2-Hexanone ND 0.5 0.1 1,3-Dichloropropane ND					
1,1-Dichloropropene					
Carbon Tetrachloride ND 0.5 0.1 1,2-Dichloroethane ND 0.5 0.09 Benzene ND 0.5 0.04 Trichloroethene ND 0.5 0.08 1,2-Dichloropropane ND 0.5 0.06 Bromodichloromethane ND 0.5 0.04 Dibromomethane ND 0.5 0.04 Dibromomethane ND 0.5 0.06 4-Methyl-2-Pentanone ND 10 0.08 cis-1,3-Dichloropropene ND 0.5 0.07 Toluene ND 0.5 0.08 trans-1,3-Dichloropropene ND 0.5 0.07 Toluene ND 0.5 0.07 1,1,2-Trichloroethane ND 0.5 0.07 1,1,2-Trichloropropane ND 0.5 0.07 Tetrachloroethene ND 0.5 0.1 Dibromochloromethane ND 0.5 0.06 Chlorobenzene ND <td></td> <td></td> <td></td> <td></td> <td></td>					
1,2-Dichloroethane					
Benzene ND 0.5 0.04 Trichloroethene ND 0.5 0.08 1,2-Dichloropropane ND 0.5 0.06 Bromodichloromethane ND 0.5 0.04 Dibromomethane ND 0.5 0.04 Dibromomethane ND 0.5 0.06 4-Methyl-2-Pentanone ND 0.5 0.07 Toluene ND 0.5 0.07 Toluene ND 0.5 0.08 trans-1,3-Dichloropropene ND 0.5 0.07 1,1,2-Trichloroethane ND 0.5 0.07 1,1,2-Trichloroethane ND 0.5 0.1 2-Hexanone ND 0.5 0.07 Tetrachloropropane ND 0.5 0.07 Tetrachloroethene ND 0.5 0.1 Dibromochloromethane ND 0.5 0.05 1,2-Dibromoethane ND 0.5 0.06 Chlorobenzene ND 0.					
Trichloroethene ND 0.5 0.08 1,2-Dichloropropane ND 0.5 0.06 Bromodichloromethane ND 0.5 0.04 Dibromomethane ND 0.5 0.04 A-Methyl-2-Pentanone ND 0.5 0.06 cis-1,3-Dichloropropene ND 0.5 0.07 Toluene ND 0.5 0.08 trans-1,3-Dichloropropene ND 0.5 0.08 trans-1,3-Dichloropropene ND 0.5 0.07 1,1,2-Trichloroethane ND 0.5 0.1 2-Hexanone ND 0.5 0.1 2-Hexanone ND 0.5 0.1 2-Hexanone ND 0.5 0.07 Tetrachloropropane ND 0.5 0.07 Tetrachloroethene ND 0.5 0.07 Tetrachloroethene ND 0.5 0.05 1,2-Dibromoethane ND 0.5 0.05 1,2-Dibromoethane ND 0.5 0.05 1,2-Dibromoethane ND 0.5 0.05 1,2-Dibromoethane ND 0.5 0.06 Chlorobenzene ND 0.5 0.06 Chlorobenzene ND 0.5 0.09 1,1,1,2-Tetrachloroethane ND 0.5 0.09 Ethylbenzene ND 0.5 0.08 m,p-Xylenes ND 0.5 0.2	,				
1,2-Dichloropropane ND 0.5 0.06 Bromodichloromethane ND 0.5 0.04 Dibromomethane ND 0.5 0.06 4-Methyl-2-Pentanone ND 10 0.08 cis-1,3-Dichloropropene ND 0.5 0.07 Toluene ND 0.5 0.07 trans-1,3-Dichloropropene ND 0.5 0.07 1,1,2-Trichloroethane ND 0.5 0.1 2-Hexanone ND 0.5 0.1 1,3-Dichloropropane ND 0.5 0.07 Tetrachloroethene ND 0.5 0.1 Dibromochloromethane ND 0.5 0.05 1,2-Dibromoethane ND 0.5 0.06 Chlorobenzene ND 0.5 0.09 1,1,1,2-Tetrachloroethane ND 0.5 0.09 Ethylbenzene ND 0.5 0.08 m,p-Xylenes ND 0.5 0.2					
Bromodichloromethane ND 0.5 0.04 Dibromomethane ND 0.5 0.06 4-Methyl-2-Pentanone ND 10 0.08 cis-1,3-Dichloropropene ND 0.5 0.07 Toluene ND 0.5 0.07 trans-1,3-Dichloropropene ND 0.5 0.07 1,1,2-Trichloroethane ND 0.5 0.1 2-Hexanone ND 10 0.3 1,3-Dichloropropane ND 0.5 0.07 Tetrachloroethene ND 0.5 0.1 Dibromochloromethane ND 0.5 0.05 1,2-Dibromoethane ND 0.5 0.06 Chlorobenzene ND 0.5 0.09 1,1,2-Tetrachloroethane ND 0.5 0.09 Ethylbenzene ND 0.5 0.08 m,p-Xylenes ND 0.5 0.2				0.5	
Dibromomethane ND 0.5 0.06 4-Methyl-2-Pentanone ND 10 0.08 cis-1,3-Dichloropropene ND 0.5 0.07 Toluene ND 0.5 0.08 trans-1,3-Dichloropropene ND 0.5 0.07 1,1,2-Trichloroethane ND 0.5 0.1 2-Hexanone ND 10 0.3 1,3-Dichloropropane ND 0.5 0.07 Tetrachloroethene ND 0.5 0.1 Dibromochloromethane ND 0.5 0.05 1,2-Dibromoethane ND 0.5 0.06 Chlorobenzene ND 0.5 0.09 1,1,2-Tetrachloroethane ND 0.5 0.09 Ethylbenzene ND 0.5 0.08 m,p-Xylenes ND 0.5 0.2					
4-Methyl-2-Pentanone ND 10 0.08 cis-1,3-Dichloropropene ND 0.5 0.07 Toluene ND 0.5 0.08 trans-1,3-Dichloropropene ND 0.5 0.07 1,1,2-Trichloroethane ND 0.5 0.1 2-Hexanone ND 10 0.3 1,3-Dichloropropane ND 0.5 0.07 Tetrachloroethene ND 0.5 0.1 Dibromochloromethane ND 0.5 0.05 1,2-Dibromoethane ND 0.5 0.06 Chlorobenzene ND 0.5 0.09 1,1,1,2-Tetrachloroethane ND 0.5 0.09 Ethylbenzene ND 0.5 0.09 m,p-Xylenes ND 0.5 0.08					0.04
cis-1,3-Dichloropropene ND 0.5 0.07 Toluene ND 0.5 0.08 trans-1,3-Dichloropropene ND 0.5 0.07 1,1,2-Trichloroethane ND 0.5 0.1 2-Hexanone ND 10 0.3 1,3-Dichloropropane ND 0.5 0.07 Tetrachloroethene ND 0.5 0.1 Dibromochloromethane ND 0.5 0.05 1,2-Dibromoethane ND 0.5 0.05 1,1,2-Tetrachloroethane ND 0.5 0.09 1,1,1,2-Tetrachloroethane ND 0.5 0.09 Ethylbenzene ND 0.5 0.08 m,p-Xylenes ND 0.5 0.2	Dibromomethane	ND		0.5	0.06
Toluene	4-Methyl-2-Pentanone	ND		10	0.08
Toluene	cis-1,3-Dichloropropene	ND		0.5	0.07
trans-1,3-Dichloropropene ND 0.5 0.07 1,1,2-Trichloroethane ND 0.5 0.1 2-Hexanone ND 10 0.3 1,3-Dichloropropane ND 0.5 0.07 Tetrachloroethene ND 0.5 0.1 Dibromochloromethane ND 0.5 0.05 1,2-Dibromoethane ND 0.5 0.06 Chlorobenzene ND 0.5 0.09 1,1,2-Tetrachloroethane ND 0.5 0.09 Ethylbenzene ND 0.5 0.08 m,p-Xylenes ND 0.5 0.2					
1,1,2-Trichloroethane ND 0.5 0.1 2-Hexanone ND 10 0.3 1,3-Dichloropropane ND 0.5 0.07 Tetrachloroethene ND 0.5 0.1 Dibromochloromethane ND 0.5 0.05 1,2-Dibromoethane ND 0.5 0.06 Chlorobenzene ND 0.5 0.09 1,1,2-Tetrachloroethane ND 0.5 0.09 Ethylbenzene ND 0.5 0.08 m,p-Xylenes ND 0.5 0.2					
2-Hexanone ND 10 0.3 1,3-Dichloropropane ND 0.5 0.07 Tetrachloroethene ND 0.5 0.1 Dibromochloromethane ND 0.5 0.05 1,2-Dibromoethane ND 0.5 0.06 Chlorobenzene ND 0.5 0.09 1,1,2-Tetrachloroethane ND 0.5 0.09 Ethylbenzene ND 0.5 0.08 m,p-Xylenes ND 0.5 0.2					
1,3-Dichloropropane ND 0.5 0.07 Tetrachloroethene ND 0.5 0.1 Dibromochloromethane ND 0.5 0.05 1,2-Dibromoethane ND 0.5 0.06 Chlorobenzene ND 0.5 0.09 1,1,1,2-Tetrachloroethane ND 0.5 0.09 Ethylbenzene ND 0.5 0.08 m,p-Xylenes ND 0.5 0.2					
Tetrachloroethene ND 0.5 0.1 Dibromochloromethane ND 0.5 0.05 1,2-Dibromoethane ND 0.5 0.06 Chlorobenzene ND 0.5 0.09 1,1,1,2-Tetrachloroethane ND 0.5 0.09 Ethylbenzene ND 0.5 0.08 m,p-Xylenes ND 0.5 0.2					
Dibromochloromethane ND 0.5 0.05 1,2-Dibromoethane ND 0.5 0.06 Chlorobenzene ND 0.5 0.09 1,1,1,2-Tetrachloroethane ND 0.5 0.09 Ethylbenzene ND 0.5 0.08 m,p-Xylenes ND 0.5 0.2					
1,2-Dibromoethane ND 0.5 0.06 Chlorobenzene ND 0.5 0.09 1,1,1,2-Tetrachloroethane ND 0.5 0.09 Ethylbenzene ND 0.5 0.08 m,p-Xylenes ND 0.5 0.2					
Chlorobenzene ND 0.5 0.09 1,1,1,2-Tetrachloroethane ND 0.5 0.09 Ethylbenzene ND 0.5 0.08 m,p-Xylenes ND 0.5 0.2					
1,1,1,2-Tetrachloroethane ND 0.5 0.09 Ethylbenzene ND 0.5 0.08 m,p-Xylenes ND 0.5 0.2				0.5	
Ethylbenzene ND 0.5 0.08 m,p-Xylenes ND 0.5 0.2					
m,p-Xylenes ND 0.5 0.2					
m,p-Xylenes ND 0.5 0.2	Ethylbenzene	ND			0.08
	m,p-Xylenes	ND			0.2
o-Xylene ND 0.5 0.06		ND			
Styrene ND 0.5 0.09					
Bromoform ND 1.0 0.09					
Isopropylbenzene ND 0.5 0.06				— · ·	
1,1,2,2-Tetrachloroethane ND 0.5 0.1					
Propylbenzene ND 0.5 0.1	LiopArpensene	ND		U.5	U. <u>L</u>

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Purgeable	Organics by GC/M	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Field ID:	MW-2.1-052206TB1	Batch#:	113999
Lab ID:	187024-017	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	uq/L	Analyzed:	06/01/06
Diln Fac:	1.000		

Analyte	Result	RL	MDL
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.09
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.09
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.1
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-120
1,2-Dichloroethane-d4	121	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	112	80-122

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit
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<u>Battii Qt</u>	Keborc						
Purgeable Organics by GC/MS							
		-	-				
Lab #:	187024		Location:	Former GA-Pacific Sawmill			
Client:	Acton Mickelson	Environmental	Prep:	EPA 5030B			
Project#:	16017.01		Analysis:	EPA 8260B			
Type:	BLANK		Diln Fac:	1.000			
Lab ID:	QC342251		Batch#:	113998			
Matrix:	Water		Analyzed:	06/01/06			
Units:	ug/L		-				

Analyte	Re	sult	RL	MDL
Freon 12	ND		1.0	0.2
Chloromethane	ND		1.0	0.1
Vinyl Chloride	ND		0.5	0.1
Bromomethane	ND		1.0	0.3
Chloroethane	ND		1.0	0.1
				0.2
Trichlorofluoromethane	ND		1.0	
Ethanol	ND		1,000	23
Isopropanol	ND		100	1.6
Acetone	ND		10	0.2
Freon 113	ND		5.0	0.1
1,1-Dichloroethene		0.06 J	0.5	0.06
Methylene Chloride		0.3 J	10	0.1
Carbon Disulfide	ND		0.5	0.09
MTBE	ND		0.5	0.06
trans-1,2-Dichloroethene	ND		0.5	0.2
Vinyl Acetate	ND		10	0.08
1,1-Dichloroethane	ND		0.5	0.05
2-Butanone	ND		10	0.03
cis-1,2-Dichloroethene	ND		0.5	0.08
			0.5	0.08
2,2-Dichloropropane	ND			
Chloroform	ND		0.5	0.09
Bromochloromethane	ND		0.5	0.1
1,1,1-Trichloroethane	ND		0.5	0.1
1,1-Dichloropropene	ND		0.5	0.08
Carbon Tetrachloride	ND		0.5	0.1
1,2-Dichloroethane	ND		0.5	0.1
Benzene	ND		0.5	0.06
Trichloroethene		0.2 J	0.5	0.2
1,2-Dichloropropane	ND		0.5	0.08
Bromodichloromethane	ND		0.5	0.07
Dibromomethane	ND		0.5	0.09
4-Methyl-2-Pentanone	ND		10	0.06
cis-1,3-Dichloropropene	ND		0.5	0.06
Toluene	ND		0.5	0.1
trans-1,3-Dichloropropene	ND		0.5	0.04
			0.5	0.1
1,1,2-Trichloroethane	ND			0.05
2-Hexanone	ND		10	
1,3-Dichloropropane	ND	0 2 -	0.5	0.06
Tetrachloroethene	- —	0.3 J	0.5	0.1
Dibromochloromethane	ND		0.5	0.1
1,2-Dibromoethane	ND		0.5	0.1
Chlorobenzene	ND		0.5	0.1
1,1,1,2-Tetrachloroethane	ND		0.5	0.1
Ethylbenzene	ND		0.5	0.07
m,p-Xylenes	ND		0.5	0.1
o-Xylene	ND		0.5	0.09
Styrene	ND		0.5	0.1
Bromoform	ND		1.0	0.1
Isopropylbenzene	ND		0.5	0.09
1,1,2,2-Tetrachloroethane	ND		0.5	0.09
1,2,2-letrachioroethane	ND		0.5	0.03
Dropylhongone	רועו	0 07 T		0.07
Propylbenzene		0.07 J	0.5	U.U0

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit
Page 1 of 2



<u> </u>	VEDOTC						
Purgeable Organics by GC/MS							
Lab #:	187024	Location:	Former GA-Pacific Sawmill				
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B				
Project#:	16017.01	Analysis:	EPA 8260B				
Type:	BLANK	Diln Fac:	1.000				
Lab ID:	QC342251	Batch#:	113998				
Matrix:	Water	Analyzed:	06/01/06				
Units:	ug/L						

Analyte	Re	sult	RL	MDL
Bromobenzene	ND		0.5	0.1
1,3,5-Trimethylbenzene		0.05 J	0.5	0.05
2-Chlorotoluene	ND		0.5	0.07
4-Chlorotoluene		0.08 J	0.5	0.04
tert-Butylbenzene	ND		0.5	0.08
1,2,4-Trimethylbenzene	ND		0.5	0.07
sec-Butylbenzene	ND		0.5	0.06
para-Isopropyl Toluene	ND		0.5	0.1
1,3-Dichlorobenzene	ND		0.5	0.1
1,4-Dichlorobenzene		0.1 J	0.5	0.1
n-Butylbenzene		0.2 J	0.5	0.1
1,2-Dichlorobenzene	ND		0.5	0.08
1,2-Dibromo-3-Chloropropane	ND		2.0	0.2
1,2,4-Trichlorobenzene		0.3 J	0.5	0.1
Hexachlorobutadiene	ND		0.5	0.3
Naphthalene		0.2 J	2.0	0.06
1,2,3-Trichlorobenzene		0.2 J	0.5	0.1

Surrogate	%REC	Limits	
Dibromofluoromethane	110	80-120	
1,2-Dichloroethane-d4	103	80-130	
Toluene-d8	103	80-120	
Bromofluorobenzene	99	80-122	

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



Daten De	Report		
	Durmaahla (Organics by GC/	MC
	tarAeante /	regamete by ac,	4.6
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type: Lab ID:	BLANK	Diln Fac:	1.000
Lab ID:	QC342254	Batch#:	113999
Matrix:	Water	Analyzed:	06/01/06
Units:	ug/L		

Analyte	Res	ult	RL	MDL
Freon 12	ND	<u> </u>	1.0	0.1
Chloromethane	ND		1.0	0.2
Vinyl Chloride	ND		0.5	0.2
Bromomethane	ND		1.0	0.3
Chloroethane	ND		1.0	0.3
Trichlorofluoromethane	ND		1.0	0.06
Ethanol	ND		1,000	22
Isopropanol	ND		100	2.7
Acetone	ND		10	0.9
Freon 113	ND		5.0	0.1
1,1-Dichloroethene	ND		0.5	0.2
Methylene Chloride	שוו	0.6 J	10	0.2
Carbon Disulfide	ND	0.6 0	0.5	0.03
Carbon Distille	ND		0.5	0.03
trans-1,2-Dichloroethene			0.5	0.1
	ND ND		10	0.1
Vinyl Acetate	ND ND		0.5	0.06
1,1-Dichloroethane	ND ND		10	0.08
2-Butanone			0.5	0.2
cis-1,2-Dichloroethene	ND ND		0.5	0.2
2,2-Dichloropropane			0.5	0.2
Chloroform	ND		0.5	0.03
Bromochloromethane	ND		0.5	0.09
1,1,1-Trichloroethane	ND		0.5	0.07
1,1-Dichloropropene	ND		0.5	0.1
Carbon Tetrachloride	ND		0.5	0.1
1,2-Dichloroethane	ND		0.5	0.09
Benzene	ND		0.5	0.04
Trichloroethene	ND		0.5	0.06
1,2-Dichloropropane	ND		0.5	0.04
Bromodichloromethane	ND			0.04
Dibromomethane	ND		0.5 10	0.08
4-Methyl-2-Pentanone	ИD		0.5	0.08
cis-1,3-Dichloropropene	ND		0.5	0.07
Toluene	ND		0.5	0.08
trans-1,3-Dichloropropene	ND		0.5	0.1
1,1,2-Trichloroethane	ND ND		10	0.3
2-Hexanone	ND ND		0.5	0.07
1,3-Dichloropropane	ND		0.5	0.1
Tetrachloroethene	ND ND		0.5	0.05
Dibromochloromethane	ND ND		0.5	0.05
1,2-Dibromoethane Chlorobenzene	ND		0.5	0.00
	ND ND		0.5	0.09
1,1,1,2-Tetrachloroethane	ND		0.5	0.08
Ethylbenzene			0.5	0.08
m,p-Xylenes	ND ND		0.5	0.2
o-Xylene	ND		0.5	0.00
Styrene	ND		1.0	0.09
Bromoform Isopropylbenzene	ND ND		0.5	0.06
	ND ND		0.5	0.1
1,1,2,2-Tetrachloroethane 1,2,3-Trichloropropane	ND		0.5	0.3
1,4,3-IIICIIIOTOPIOPAIIE	אר		U.J	<u> </u>

J= Estimated value b= See narrative ND= Not Detected RL= Reporting Limit MDL= Method Detection Limit Page 1 of 2



<u>baccii QC</u>	Keport		
	Permanahi a	ommonica bu co/	MC
	ruigeable .	Organics by GC/	Pio
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC342254	Batch#:	113999
Matrix:	Water	Analyzed:	06/01/06
Units:	ug/L		

Analyte	Result	Ras	MDL
Propylbenzene	ND	0.5	0.1
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.09
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.09
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	0.8 b	0.5	0.2
Naphthalene	0.2 J b	2.0	0.1
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits	
Dibromofluoromethane	106	80-120	
1,2-Dichloroethane-d4	107	80-130	
Toluene-d8	104	80-120	
Bromofluorobenzene	119	80-122	

J= Estimated value
b= See narrative
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



Purgeable Organics by GC/MS							
Lab #:	187024	Location:	Former GA-Pacific Sawmill				
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B				
Project#:	16017.01	Analysis:	EPA 8260B				
Type:	BLANK	Diln Fac:	1.000				
Lab ID:	QC342527	Batch#:	114064				
Matrix:	Water	Analyzed:	06/02/06				
Units:	ug/L	2	•				

Analyte	Re	sult	RL	MDL
Freon 12	ND		1.0	0.1
Chloromethane	ND		1.0	0.2
Vinyl Chloride	ND		0.5	0.2
Bromomethane	ND		1.0	0.3
Chloroethane	ND		1.0	0.3
Trichlorofluoromethane	112	1.4	1.0	0.06
Ethanol	ND		1,000	22
Isopropanol	ND		100	2.7
Acetone	ND		10	0.9
				0.1
Freon 113	ND		5.0	
1,1-Dichloroethene	ND		0.5	0.2
Methylene Chloride		0.5 J	10	0.2
Carbon Disulfide		0.05 J	0.5	0.03
MTBE	ND		0.5	0.07
trans-1,2-Dichloroethene	ND		0.5	0.1
Vinyl Acetate	ND		10	0.4
1,1-Dichloroethane	ND		0.5	0.06
2-Butanone	ND		10	0.2
cis-1,2-Dichloroethene	ND		0.5	0.2
2,2-Dichloropropane	ND		0.5	0.2
Chloroform	ND		0.5	0.05
Bromochloromethane	ND		0.5	0.09
1,1,1-Trichloroethane	ND		0.5	0.07
1,1-Dichloropropene	ND		0.5	0.1
Carbon Tetrachloride	ND		0.5	0.1
1,2-Dichloroethane	ND		0.5	0.09
Benzene	ND		0.5	0.04
Trichloroethene	ND		0.5	0.08
1,2-Dichloropropane	ND		0.5	0.06
Bromodichloromethane	ND		0.5	0.04
Dibromomethane	ND		0.5	0.06
4-Methyl-2-Pentanone	ND		10	0.08
cis-1,3-Dichloropropene	ND		0.5	0.07
Toluene	ND		0.5	0.08
trans-1,3-Dichloropropene	ND		0.5	0.07
1,1,2-Trichloroethane	ND		0.5	0.1
	ND		10	0.3
2-Hexanone			0.5	0.07
1,3-Dichloropropane	ND		0.5	0.1
Tetrachloroethene	ND			0.05
Dibromochloromethane	ND		0.5	
1,2-Dibromoethane	ND		0.5	0.06
Chlorobenzene	ND		0.5	0.09
1,1,1,2-Tetrachloroethane	ND		0.5	0.09
Ethylbenzene	ND		0.5	0.08
m,p-Xylenes	ND		0.5	0.2
o-Xylene	ND		0.5	0.06
Styrene	ND		0.5	0.09
Bromoform		0.1 J	1.0	0.09
Isopropylbenzene	ND		0.5	0.06
1,1,2,2-Tetrachloroethane	ND		0.5	0.1
1,2,3-Trichloropropane	ND		0.5	0.3
Propylbenzene	ND		0.5	0.1

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit
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A -	Purgeable	Organics by GC/	MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:		Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC342527	Batch#:	114064
Matrix:	Water	Analyzed:	06/02/06
Units:	ug/L		

Analyte	Result	RL	MDL
Bromobenzene	ND	0.5	0.1
1,3,5-Trimethylbenzene	ND	0.5	0.09
2-Chlorotoluene	ND	0.5	0.1
4-Chlorotoluene	ND	0.5	0.07
tert-Butylbenzene	ND	0.5	0.1
1,2,4-Trimethylbenzene	ND	0.5	0.09
sec-Butylbenzene	ND	0.5	0.1
para-Isopropyl Toluene	ND	0.5	0.1
1,3-Dichlorobenzene	ND	0.5	0.2
1,4-Dichlorobenzene	ND	0.5	0.1
n-Butylbenzene	ND	0.5	0.1
1,2-Dichlorobenzene	ND	0.5	0.1
1,2-Dibromo-3-Chloropropane	ND	2.0	0.3
1,2,4-Trichlorobenzene	ND	0.5	0.2
Hexachlorobutadiene	ND	0.5	0.2
Naphthalene	ND	2.0	0.1
1,2,3-Trichlorobenzene	ND	0.5	0.2

Surrogate	%REC	Limits	
Dibromofluoromethane	108	80-120	
1,2-Dichloroethane-d4	118	80-130	
Toluene-d8	107	80-120	
Bromofluorobenzene	114	80-122	

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit
Page 2 of 2



Purgeable Organics by GC/MS							
Lab #:	187024	Location:	Former GA-Pacific Sawmill				
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B				
Project#:	16017.01	Analysis:	EPA 8260B				
Matrix:	Water	Batch#:	113998				
Units:	ug/L	Analyzed:	06/01/06				
Diln Fac:	1.000						

Type:

BS

Lab ID: QC342248

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	29.50	118	77-128
Benzene	25.00	27.73	111	80-120
Trichloroethene	25.00	27.92	112	80-120
Toluene	25.00	26.11	104	80-120
Chlorobenzene	25.00	25.99	104	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	105	80-130
Toluene-d8	107	80-120
Bromofluorobenzene	99	80-122

Type:

BSD

Lab ID: QC342249

Analyte	Spiked	Result	%REC	Limits	RPI) Lim
1,1-Dichloroethene	25.00	27.07	108	77-128	9	20
Benzene	25.00	25.65	103	80-120	8	20
Trichloroethene	25.00	26.23	105	80-120	6	20
Toluene	25.00	24.25	97	80-120	7	20
Chlorobenzene	25.00	25.68	103	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	101	80-130
Toluene-d8	107	80-120
Bromofluorobenzene	99	80-122



2000		Organics by GC/	'MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	16017.01	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	113999
Units:	ug/L	Analyzed:	06/01/06
Diln Fac:	1.000		

Type:

BS

Lab ID: QC342252

Analyte	Spiked	Result	%REC	: Limits
1,1-Dichloroethene	25.00	22.03	88	77-128
Benzene	25.00	22.30	89	80-120
Trichloroethene	25.00	22.81	91	80-120
Toluene	25.00	21.98	88	80-120
Chlorobenzene	25.00	23.83	95	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	112	80-130
Toluene-d8	106	80-120
Bromofluorobenzene	104	80-122

Type:

BSD

Lab ID: QC342253

Analyte	Spiked	Result	%REC	Limits	RPI) Lim
1,1-Dichloroethene	25.00	23.96	96	77-128	8	20
Benzene	25.00	23.04	92	80-120	3	20
Trichloroethene	25.00	23.55	94	80-120	3	20
Toluene	25.00	24.12	96	80-120	9	20
Chlorobenzene	25.00	24.72	99	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	115	80-130
Toluene-d8	108	80-120
Bromofluorobenzene	98	80-122



Dacer ge	repere		
	Purgeable (rganics by GC/	'MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 5030B
Project#:	: 16017.01	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC342526	Batch#:	114064
Matrix:	Water	Analyzed:	06/02/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	26.90	108	77-128
Benzene	25.00	26.59	106	80-120
Trichloroethene	25.00	27.22	109	80-120
Toluene	25.00	26.52	106	80-120
Chlorobenzene	25.00	25.57	102	80-120

Surrogate	%REC	Limits	
Dibromofluoromethane	112	80-120	
1,2-Dichloroethane-d4	116	80-130	
Toluene-d8	108	80-120	
Bromofluorobenzene	102	80-122	



	Purgeable	Organics by GC/M	1S
Lab #: 18	37024	Location:	Former GA-Pacific Sawmill
Client: Ac	ton Mickelson Environmental	Prep:	EPA 5030B
Project#: 16	5017.01	Analysis:	EPA 8260B
Field ID:	MW-5.5-052306	Batch#:	114064
MSS Lab ID:	187061-013	Sampled:	05/23/06
Matrix:	Water	Received:	05/24/06
Units:	ug/L	Analyzed:	06/02/06
Diln Fac:	1.000	_	

Type:

MS

Lab ID: QC342528

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.2168	25.00	24.54	98	77-129
Benzene	<0.04131	25.00	25.65	103	80-122
Trichloroethene	<0.07621	25.00	25.33	101	77-123
Toluene	<0.08342	25.00	25.10	100	80-120
Chlorobenzene	<0.08963	25.00	25.35	101	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	119	80-130
Toluene-d8	110	80-120
Bromofluorobenzene	101	80-122

Type:

MSD

Lab ID: QC342529

Analyte	Spiked	Result	%REC	Limits	RPI) Lim
1,1-Dichloroethene	25.00	25.55	102	77-129	4	20
Benzene	25.00	24.47	98	80-122	5	20
Trichloroethene	25.00	23.98	96	77-123	5	20
Toluene	25.00	24.21	97	80-120	4	20
Chlorobenzene	25.00	24.32	97	80-120	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	108	80-120
1,2-Dichloroethane-d4	120	80-130
Toluene-d8	110	80-120
Bromofluorobenzene	103	80-122



	Semivolatil	e Organics by G	c/ms
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-2.1-052206	Batch#:	113865
Lab ID:	187024-001	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/03/06

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.8	0.53
Phenol	ND	9.8	0.62
bis(2-Chloroethyl)ether	ND	9.8	0.42
2-Chlorophenol	ND	9.8	0.75
1,3-Dichlorobenzene	ND	9.8	0.19
1,4-Dichlorobenzene	ND	9.8	0.32
Benzyl alcohol	ND	9.8	0.40
	ND	9.8	0.27
1,2-Dichlorobenzene	ND ND	9.8	0.77
2-Methylphenol	ND ND	9.8	0.42
bis(2-Chloroisopropyl) ether	ND ND	9.8	0.62
4-Methylphenol		9.8	0.43
N-Nitroso-di-n-propylamine	ND		0.30
Hexachloroethane	ND	9.8	0.30
Nitrobenzene	ND	9.8	
Isophorone	ND	9.8	0.51
2-Nitrophenol	ND	20	1.3
2,4-Dimethylphenol	ND	9.8	1.2
Benzoic acid	ND	49	11
bis(2-Chloroethoxy)methane	ND	9.8	0.44
2,4-Dichlorophenol	ND	9.8	0.56
1,2,4-Trichlorobenzene	ND	9.8	0.30
Naphthalene	ND	9.8	0.25
4-Chloroaniline	ND	9.8	0.67
Hexachlorobutadiene	ND	9.8	0.36
4-Chloro-3-methylphenol	ND	9.8	0.94
2-Methylnaphthalene	ND	9.8	0.29
Hexachlorocyclopentadiene	ND	20	0.54
2,4,6-Trichlorophenol	ND	9.8	0.79
2,4,5-Trichlorophenol	ND	9.8	1.0
2-Chloronaphthalene	ND	9.8	0.32
2-Nitroaniline	ND	20	0.37
Dimethylphthalate	ND	9.8	0.51
Acenaphthylene	ND	9.8	0.45
2,6-Dinitrotoluene	ND	9.8	0.36
3-Nitroaniline	ND	20	0.68
Acenaphthene	ND	9.8	0.35
	ND	20	5.9
2,4-Dinitrophenol	ND ND	20	0.53
4-Nitrophenol Dibenzofuran	ND ND	9.8	0.38
	ND ND	9.8	0.23
2,4-Dinitrotoluene	ND ND	9.8	0.38
Diethylphthalate		9.8	0.38
Fluorene	ND	9.8	0.36
4-Chlorophenyl-phenylether	ND	20	0.38
4-Nitroaniline	ND		V.30
Resorcinol	ND	9.8	
2,3,4,6-Tetrachlorophenol	ND	9.8	4.7
4,6-Dinitro-2-methylphenol	ND	20	0.28
N-Nitrosodiphenylamine	ND	9.8	
Azobenzene	ND	9.8	0.44
4-Bromophenyl-phenylether	ND	9.8	0.30
Hexachlorobenzene	ND	9.8	0.43
Pentachlorophenol	ND	20	1.1
Phenanthrene	ND	9.8	0.45



	Semivolatil	e Organics by G	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-2.1-052206	Batch#:	113865
Lab ID:	187024-001	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/03/06

Analyte	Result	RL	MDL
Anthracene	ND	9.8	0.47
Di-n-butylphthalate	ND	9.8	0.29
Fluoranthene	ND	9.8	0.40
Pyrene	ND	9.8	0.63
Butylbenzylphthalate	ND	9.8	0.29
3,3 ¹ -Dichlorobenzidine	ND	20	0.42
Benzo(a) anthracene	ND	9.8	0.42
Chrysene	ND	9.8	0.51
bis(2-Ethylhexyl)phthalate	ND	9.8	0.89
Di-n-octylphthalate	ND	9.8	0.35
Benzo(b) fluoranthene	ND	9.8	0.51
Benzo(k) fluoranthene	ND	9.8	0.73
Benzo(a) pyrene	ND	9.8	0.47
Indeno(1,2,3-cd)pyrene	ND	9.8	0.47
Dibenz(a,h)anthracene	ND	9.8	0.36
Benzo(g,h,i)perylene	ND	9.8	0.40

Surrogate	%REC	Limits
2-Fluorophenol	92	36-120
Phenol-d5	93	32-120
2,4,6-Tribromophenol	80	37-120
Nitrobenzene-d5	86	48-120
2-Fluorobiphenyl	88	49-120
Terphenyl-d14	93	22-120



	Semivolati	le Organics by G	C/MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-2.2-052206	Batch#:	113865
Lab ID:	187024-002	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/03/06

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.8	0.53
Phenol	ND	9.8	0.62
bis(2-Chloroethyl)ether	ND	9.8	0.42
2-Chlorophenol	ND	9.8	0.75
1,3-Dichlorobenzene	ND	9.8	0.19
1 '	ND ND	9.8	0.32
1,4-Dichlorobenzene	ND ND	9.8	0.40
Benzyl alcohol	ND ND	9.8	0.40
1,2-Dichlorobenzene		9.8	0.27
2-Methylphenol	ND	9.8	0.42
bis(2-Chloroisopropyl) ether	ND	· · · ·	
4-Methylphenol	ND	9.8	0.62
N-Nitroso-di-n-propylamine	ND	9.8	0.43
Hexachloroethane	ND	9.8	0.30
Nitrobenzene	ND	9.8	0.20
Isophorone	ND	9.8	0.51
2-Nitrophenol	ND	20	1.3
2,4-Dimethylphenol	ND	9.8	1.2
Benzoic acid	ND	49	11
bis(2-Chloroethoxy)methane	ND	9.8	0.44
2,4-Dichlorophenol	ND	9.8	0.56
1,2,4-Trichlorobenzene	ND	9.8	0.30
Naphthalene	ND	9.8	0.25
4-Chloroaniline	ND	9.8	0.67
Hexachlorobutadiene	ND	9.8	0.36
4-Chloro-3-methylphenol	ND	9.8	0.94
2-Methylnaphthalene	ND	9.8	0.29
Hexachlorocyclopentadiene	ND	20	0.54
2,4,6-Trichlorophenol	ND	9.8	0.79
2,4,5-Trichlorophenol	ND	9.8	1.0
2-Chloronaphthalene	ND	9.8	0.32
2-Nitroaniline	ND	20	0.37
Dimethylphthalate	ND	9.8	0.51
Acenaphthylene	ND	9.8	0.45
2,6-Dinitrotoluene	ND	9.8	0.36
3-Nitroaniline	ND	20	0.68
Acenaphthene	ND	9.8	0.35
2,4-Dinitrophenol	ND	20	5.9
4-Nitrophenol	ND	20	0.53
Dibenzofuran	ND	9.8	0.38
2,4-Dinitrotoluene	ND	9.8	0.23
Diethylphthalate	ND	9.8	0.38
Fluorene	ND	9.8	0.38
4-Chlorophenyl-phenylether	ND	9.8	0.36
	ND	20	0.38
4-Nitroaniline	ND ND	9.8	0.30
Resorcinol	ND ND	9.8	
2,3,4,6-Tetrachlorophenol	ND ND	20	4.7
4,6-Dinitro-2-methylphenol		9.8	0.28
N-Nitrosodiphenylamine	ND	9.8	0.28
Azobenzene	ND	9.8	0.30
4-Bromophenyl-phenylether	ND		0.30
Hexachlorobenzene	ND	9.8	1.1
Pentachlorophenol	ND	20	1.4

J= Estimated value ND= Not Detected RL= Reporting Limit MDL= Method Detection Limit



	Semivolatil	e Organics by G	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-2.2-052206	Batch#:	113865
Lab ID:	187024-002	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:		Analyzed:	06/03/06

Analyte	Result	RL	MDL
Phenanthrene	ND	9.8	0.45
Anthracene	ND	9.8	0.47
Di-n-butylphthalate	ND	9.8	0.29
Fluoranthene	ND	9.8	0.40
Pyrene	ND	9.8	0.63
Butylbenzylphthalate	ND	9.8	0.29
3,3'-Dichlorobenzidine	ND	20	0.42
Benzo(a) anthracene	ND	9.8	0.42
Chrysene	ND	9.8	0.51
bis(2-Ethylhexyl)phthalate	4.3 J	9.8	0.89
Di-n-octylphthalate	ND	9.8	0.35
Benzo(b) fluoranthene	ND	9.8	0.51
Benzo(k) fluoranthene	ND	9.8	0.73
Benzo(a)pyrene	ND	9.8	0.47
Indeno(1,2,3-cd)pyrene	ND	9.8	0.47
Dibenz(a,h)anthracene	ND	9.8	0.36
Benzo(q,h,i)perylene	ND	9.8	0.40

Surrogate	%PEC	Limits	
2-Fluorophenol	85	36-120	
Phenol-d5	84	32-120	
2,4,6-Tribromophenol	76	37-120	
Nitrobenzene-d5	79	48-120	
2-Fluorobiphenyl	87	49-120	
Terphenyl-d14	92	22-120	

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Semivolatil	e Organics by G	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-2.3-052206	Batch#:	113865
Lab ID:	187024-003	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:		Analyzed:	06/02/06

Analyte	Res	ult RL	MDL
N-Nitrosodimethylamine	ND	9.6	0.52
Phenol	ND	9.6	0.61
bis(2-Chloroethyl)ether	ND	9.6	0.41
2-Chlorophenol	ND	9.6	0.73
. -		9.6	0.19
1,3-Dichlorobenzene	ND		0.19
1,4-Dichlorobenzene	ND	9.6	
Benzyl alcohol	ND	9.6	0.39
1,2-Dichlorobenzene	ND	9.6	0.27
2-Methylphenol	ND	9.6	0.76
bis(2-Chloroisopropyl) ether	ND	9.6	0.41
4-Methylphenol	ND	9.6	0.61
N-Nitroso-di-n-propylamine	ND	9.6	0.42
Hexachloroethane	ND	9.6	0.30
Nitrobenzene	ND	9.6	0.20
Isophorone	ND	9.6	0.50
2-Nitrophenol	ND	19	1.3
2,4-Dimethylphenol	ND	9.6	1.2
Benzoic acid	ND	48	10
bis(2-Chloroethoxy)methane	ND	9.6	0.43
2,4-Dichlorophenol	ND	9.6	0.55
1,2,4-Trichlorobenzene	ND	9.6	0.29
Naphthalene	ND	9.6	0.24
4-Chloroaniline	ND .	9.6	0.66
Hexachlorobutadiene	ND	9.6	0.35
4-Chloro-3-methylphenol	ND	9.6	0.92
2-Methylnaphthalene	ND	9.6	0.28
Hexachlorocyclopentadiene	ND	19	0.53
2,4,6-Trichlorophenol	ND	9.6	0.78
	IND	3.4 J 9.6	1.0
2,4,5-Trichlorophenol	ND	9.6	0.32
2-Chloronaphthalene 2-Nitroaniline	ND	19	0.32
	ND	9.6	0.50
Dimethylphthalate	ND	9.6	0.44
Acenaphthylene		9.6	0.36
2,6-Dinitrotoluene	ND		0.36
3-Nitroaniline	ND	19	
Acenaphthene	ND	9.6	0.34
2,4-Dinitrophenol	ND	19	5.8
4-Nitrophenol	ND	19	0.52
Dibenzofuran	ND	9.6	0.38
2,4-Dinitrotoluene	ND	9.6	0.23
Diethylphthalate	ND	9.6	0.37
Fluorene	ND	9.6	0.37
4-Chlorophenyl-phenylether	ND	9.6	0.35
4-Nitroaniline	ND	19	0.37
Resorcinol	ND	9.6	
2,3,4,6-Tetrachlorophenol	ND	9.6	
4,6-Dinitro-2-methylphenol	ND	19	4.7
N-Nitrosodiphenylamine	ND	9.6	0.27
Azobenzene	ND	9.6	0.44
4-Bromophenyl-phenylether	ND	9.6	0.30
Hexachlorobenzene	ND	9.6	0.42
Pentachlorophenol	ND	19	1.1

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Semivolatil	e Organics by G	C/MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-2.3-052206	Batch#:	113865
Lab ID:	187024-003	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/02/06

Analyte	Result	RL.	MDL
Phenanthrene	ND	9.6	0.44
Anthracene	ND	9.6	0.46
Di-n-butylphthalate	ND	9.6	0.29
Fluoranthene	ND	9.6	0.39
Pyrene	ND	9.6	0.62
Butylbenzylphthalate	ND	9.6	0.29
3,3'-Dichlorobenzidine	ND	19	0.41
Benzo(a) anthracene	ND	9.6	0.41
Chrysene	ND	9.6	0.50
bis(2-Ethylhexyl)phthalate	ND	9.6	0.87
Di-n-octylphthalate	ND	9.6	0.34
Benzo(b) fluoranthene	ND	9.6	0.50
Benzo(k)fluoranthene	ND	9.6	0.72
Benzo(a)pyrene	ND	9.6	0.46
Indeno(1,2,3-cd)pyrene	ND	9.6	0.46
Dibenz(a,h)anthracene	ND	9.6	0.35
Benzo(g,h,i)perylene	ND	9.6	0.40

Surrogate	%REC	Limits	
2-Fluorophenol	83	36-120	
Phenol-d5	84	32-120	
2,4,6-Tribromophenol	77	37-120	
Nitrobenzene-d5	82	48-120	
2-Fluorobiphenyl	88	49-120	
Terphenyl-d14	96	22-120	

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Semivolati	le Organics by GO	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-2.4-052206	Batch#:	113865
Lab ID:	187024-004	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:		Analyzed:	06/03/06

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.6	0.52
Phenol	ND	9.6	0.61
bis(2-Chloroethyl)ether	ND	9.6	0.41
		9.6	0.73
2-Chlorophenol	ND		
1,3-Dichlorobenzene	ND	9.6	0.19
1,4-Dichlorobenzene	ND	9.6	0.31
Benzyl alcohol	ND	9.6	0.39
1,2-Dichlorobenzene	ND	9.6	0.27
2-Methylphenol	ND	9.6	0.76
bis(2-Chloroisopropyl) ether	ND	9.6	0.41
4-Methylphenol	ND	9.6	0.61
N-Nitroso-di-n-propylamine	ND	9.6	0.42
Hexachloroethane	ND	9.6	0.30
Nitrobenzene	ND	9.6	0.20
Isophorone	ND	9.6	0.50
2-Nitrophenol	ND	19	1.3
	ND	9.6	1.2
2,4-Dimethylphenol	ND	48	10
Benzoic acid			— -
bis (2-Chloroethoxy) methane	ND	9.6	0.43
2,4-Dichlorophenol	ND	9.6	0.55
1,2,4-Trichlorobenzene	ND	9.6	0.29
Naphthalene	ND	9.6	0.24
4-Chloroaniline	ND	9.6	0.66
Hexachlorobutadiene	ND	9.6	0.35
4-Chloro-3-methylphenol	ND	9.6	0.92
2-Methylnaphthalene	ND	9.6	0.28
Hexachlorocyclopentadiene	ND	19	0.53
2,4,6-Trichlorophenol	ND	9.6	0.78
2,4,5-Trichlorophenol	ND	9.6	1.0
2-Chloronaphthalene	ND	9.6	0.32
2-Nitroaniline	ND	19	0.36
	ND	9.6	0.50
Dimethylphthalate		9.6	0.44
Acenaphthylene	ND		
2,6-Dinitrotoluene	ND	9.6	0.36
3-Nitroaniline	ND	19	0.67
Acenaphthene	ND	9.6	0.34
2,4-Dinitrophenol	ND	19	5.8
4-Nitrophenol	ND	19	0.52
Dibenzofuran	ND	9.6	0.38
2,4-Dinitrotoluene	ND	9.6	0.23
Diethylphthalate	ND	9.6	0.37
Fluorene	ND	9.6	0.37
4-Chlorophenyl-phenylether	ND	9.6	0.35
4-Nitroaniline	ND	19	0.37
Resorcinol	ND	9.6	
2,3,4,6-Tetrachlorophenol	ND	9.6	
4,6-Dinitro-2-methylphenol	ND	19	4.7
	ND	9.6	0.27
N-Nitrosodiphenylamine		9.6	0.27
Azobenzene	ND		
4-Bromophenyl-phenylether	ND	9.6	0.30
Hexachlorobenzene	ND	9.6	0.42
Pentachlorophenol	ND	19	1.1
Phenanthrene	ND	9.6	0.44

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	Semivolatil	e Organics by G	C/MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-2.4-052206	Batch#:	113865
Lab ID:	187024-004	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/03/06

Analyte	Result	RL	MDL
Anthracene	ND	9.6	0.46
Di-n-butylphthalate	ND	9.6	0.29
Fluoranthene	ND	9.6	0.39
Pyrene	ND	9.6	0.62
Butylbenzylphthalate	ND	9.6	0.29
3,3 ¹ -Dichlorobenzidine	ND	19	0.41
Benzo(a) anthracene	ND	9.6	0.41
Chrysene	ND	9.6	0.50
bis(2-Ethylhexyl)phthalate	ND	9.6	0.87
Di-n-octylphthalate	ND	9.6	0.34
Benzo(b) fluoranthene	ND	9.6	0.50
Benzo(k) fluoranthene	ND	9.6	0.72
Benzo(a) pyrene	ND	9.6	0.46
Indeno(1,2,3-cd)pyrene	ND	9.6	0.46
Dibenz (a, h) anthracene	ND	9.6	0.35
Benzo(g,h,i)perylene	ND	9.6	0.40

Surrogate	%RE(C Limits
2-Fluorophenol	91	36-120
Phenol-d5	90	32-120
2,4,6-Tribromophenol	81	37-120
Nitrobenzene-d5	79	48-120
2-Fluorobiphenyl	85	49-120
Terphenyl-d14	86	22-120

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	Semivolati]	Le Organics by G	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-2.5-052206	Batch#:	113865
Lab ID:	187024-005	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:		Analyzed:	06/02/06

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.7	0.53
Phenol	ND	9.7	0.61
bis(2-Chloroethyl)ether	ND	9.7	0.41
2-Chlorophenol	ND	9.7	0.74
	ND	9.7	0.19
1,3-Dichlorobenzene		9.7	0.32
1,4-Dichlorobenzene	ND	9.7	0.40
Benzyl alcohol	ND		0.40
1,2-Dichlorobenzene	ND	9.7	
2-Methylphenol	ND	9.7	0.77
bis(2-Chloroisopropyl) ether	ND	9.7	0.41
4-Methylphenol	ND	9.7	0.62
N-Nitroso-di-n-propylamine	ND	9.7	0.43
Hexachloroethane	ND	9.7	0.30
Nitrobenzene	ND	9.7	0.20
Isophorone	ND	9.7	0.50
2-Nitrophenol	ND	19	1.3
2,4-Dimethylphenol	ND	9.7	1.2
Benzoic acid	ND	49	11
1	ND	9.7	0.43
bis(2-Chloroethoxy) methane	ND ND	9.7	0.56
2,4-Dichlorophenol		9.7	0.30
1,2,4-Trichlorobenzene	ND	9.7	0.24
Naphthalene	ND		0.67
4-Chloroaniline	ND	9.7	
Hexachlorobutadiene	ND	9.7	0.35
4-Chloro-3-methylphenol	ND	9.7	0.93
2-Methylnaphthalene	ND	9.7	0.28
Hexachlorocyclopentadiene	ND	19	0.53
2,4,6-Trichlorophenol	ND	9.7	0.78
2,4,5-Trichlorophenol	ND	9.7	1.0
2-Chloronaphthalene	ND	9.7	0.32
2-Nitroaniline	ND	19	0.37
Dimethylphthalate	ND	9.7	0.51
Acenaphthylene	ND	9.7	0.45
2,6-Dinitrotoluene	ND	9.7	0.36
3-Nitroaniline	ND	19	0.68
Acenaphthene	ND ND	9.7	0.34
	ND	19	5.9
2,4-Dinitrophenol	ND	19	0.52
4-Nitrophenol		9.7	0.38
Dibenzofuran	ND	9.7	0.23
2,4-Dinitrotoluene	ND		0.38
Diethylphthalate	ND	9.7	
Fluorene	ND	9.7	0.38
4-Chlorophenyl-phenylether	ND	9.7	0.35
4-Nitroaniline	ND	19	0.37
Resorcinol	ND	9.7	
2,3,4,6-Tetrachlorophenol	ND	9.7	
4,6-Dinitro-2-methylphenol	ND	19	4.7
N-Nitrosodiphenylamine	ND	9.7	0.27
Azobenzene	ND	9.7	0.44
4-Bromophenyl-phenylether	ND	9.7	0.30
Hexachlorobenzene	ND	9.7	0.43
Pentachlorophenol	ND	19	1.1
Phenanthrene	ND	9.7	0.44
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Semivolatile Organics by GC/MS				
Lab #:	187024	Location:	Former GA-Pacific Sawmill	
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C	
Project#:	16017.01	Analysis:	EPA 8270C	
Field ID:	MW-2.5-052206	Batch#:	113865	
Lab ID:	187024-005	Sampled:	05/22/06	
Matrix:	Water	Received:	05/23/06	
Units:	ug/L	Prepared:	05/26/06	
Diln Fac:	1.000	Analyzed:	06/02/06	

Analyte	Result	RL	MDL
Anthracene	ND	9.7	0.47
Di-n-butylphthalate	ND	9.7	0.29
Fluoranthene	ND	9.7	0.40
Pyrene	ND	9.7	0.63
Butylbenzylphthalate	ND	9.7	0.29
3,3 ¹ -Dichlorobenzidine	ND	19	0.41
Benzo(a) anthracene	ND	9.7	0.41
Chrysene	ND	9.7	0.50
bis(2-Ethylhexyl)phthalate	ND	9.7	0.88
Di-n-octylphthalate	ND	9.7	0.34
Benzo(b) fluoranthene	ND	9.7	0.50
Benzo(k) fluoranthene	ND	9.7	0.73
Benzo (a) pyrene	ND	9.7	0.47
Indeno(1,2,3-cd)pyrene	ND	9.7	0.46
Dibenz(a,h)anthracene	ND	9.7	0.36
Benzo(g,h,i)perylene	ND	9.7	0.40

Surrogate	%REC	Limits
2-Fluorophenol	77	36-120
Phenol-d5	83	32-120
2,4,6-Tribromophenol	80	37-120
Nitrobenzene-d5	85	48-120
2-Fluorobiphenyl	88	49-120
Terphenyl-d14	102	22-120

ND= Not Detected RL= Reporting Limit MDL= Method Detection Limit Page 2 of 2



	Semivolati	le Organics by GO	:/MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-2.6-052206	Batch#:	113865
Lab ID:	187024-006	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	uq/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/02/06

Analyte	Resul	.t RL	MDL
N-Nitrosodimethylamine	ND	9.7	0.53
Phenol	ND	9.7	0.61
bis(2-Chloroethyl)ether	ND	9.7	0.41
2-Chlorophenol	ND	9.7	0.74
1,3-Dichlorobenzene	ND	9.7	0.19
1,4-Dichlorobenzene	ND	9.7	0.32
Benzyl alcohol	ND ND	9.7	0.40
		9.7	0.40
1,2-Dichlorobenzene	ND		
2-Methylphenol	ND	9.7	0.77
bis(2-Chloroisopropyl) ether	ND	9.7	0.41
4-Methylphenol	ND	9.7	0.62
N-Nitroso-di-n-propylamine	ND	9.7	0.43
Hexachloroethane	ND	9.7	0.30
Nitrobenzene	ND	9.7	0.20
Isophorone	ND	9.7	0.50
2-Nitrophenol	ND	19	1.3
2,4-Dimethylphenol	ND	9.7	1.2
Benzoic acid	ND	49	11
bis(2-Chloroethoxy)methane	ND	9.7	0.43
2,4-Dichlorophenol	ND	9.7	0.56
1,2,4-Trichlorobenzene	ND	9.7	0.30
Naphthalene	ND	9.7	0.24
4-Chloroaniline	ND	9.7	0.67
	ND ND	9.7	0.35
Hexachlorobutadiene			
4-Chloro-3-methylphenol	ND	9.7	0.93
2-Methylnaphthalene	ND	9.7	0.28
Hexachlorocyclopentadiene	ND	19	0.53
2,4,6-Trichlorophenol	ND	9.7	0.78
2,4,5-Trichlorophenol	ND	9.7	1.0
2-Chloronaphthalene	ND	9.7	0.32
2-Nitroaniline	ND	19	0.37
Dimethylphthalate	ND	9.7	0.51
Acenaphthylene	ND	9.7	0.45
2,6-Dinitrotoluene	ND	9.7	0.36
3-Nitroaniline	ND	19	0.68
Acenaphthene	ND	9.7	0.34
2,4-Dinitrophenol	ND	19	5.9
4-Nitrophenol	ND	19	0.52
Dibenzofuran	ND	9.7	0.38
•	ND	9.7	0.23
2,4-Dinitrotoluene		9.7	0.23
Diethylphthalate	ND		
Fluorene	ND	9.7	0.38
4-Chlorophenyl-phenylether	ND	9.7	0.35
4-Nitroaniline	ND	19	0.37
Resorcinol	ND	9.7	
2,3,4,6-Tetrachlorophenol	ND	9.7	
4,6-Dinitro-2-methylphenol	ND	19	4.7
N-Nitrosodiphenylamine	ND	9.7	0.27
Azobenzene	ND	9.7	0.44
4-Bromophenyl-phenylether	ND	9.7	0.30
Hexachlorobenzene	ND	9.7	0.43
Pentachlorophenol	ND	19	1.1
Phenanthrene	ND	9.7	0.44

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	Semivolatile	Organics by G	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-2.6-052206	Batch#:	113865
Lab ID:	187024-006	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:		Analyzed:	06/02/06

Analyte	Result	RL	MDL
Anthracene	ND	9.7	0.47
Di-n-butylphthalate	ND	9.7	0.29
Fluoranthene	ND	9.7	0.40
Pyrene	ND	9.7	0.63
Butylbenzylphthalate	ND	9.7	0.29
3,3 -Dichlorobenzidine	ND	19	0.41
Benzo(a) anthracene	ND	9.7	0.41
Chrysene	ND	9.7	0.50
bis(2-Ethylhexyl)phthalate	ND	9.7	0.88
Di-n-octylphthalate	ND	9.7	0.34
Benzo(b) fluoranthene	ND	9.7	0.50
Benzo(k)fluoranthene	ND	9.7	0.73
Benzo(a)pyrene	ND	9.7	0.47
Indeno(1,2,3-cd)pyrene	ND	9.7	0.46
Dibenz(a,h)anthracene	ND	9.7	0.36
Benzo(g,h,i)perylene	ND	9.7	0.40

Surrogate	%REC	Limits	
2-Fluorophenol	74	36-120	
Phenol-d5	71	32-120	
2,4,6-Tribromophenol	80	37-120	
Nitrobenzene-d5	74	48-120	
2-Fluorobiphenyl	82	49-120	
Terphenyl-d14	90	22-120	



	Semivolatil	e Organics by G	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-4.1-052206	Batch#:	113865
Lab ID:	187024-007	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	uq/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/02/06

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.7	0.53
Phenol	ND	9.7	0.61
bis(2-Chloroethyl)ether	ND	9.7	0.41
2-Chlorophenol	ND	9.7	0.74
1,3-Dichlorobenzene	ND	9.7	0.19
1,4-Dichlorobenzene	ND ND	9.7	0.32
1 '		9.7	0.32
Benzyl alcohol	ND		
1,2-Dichlorobenzene	ND	9.7	0.27
2-Methylphenol	ND	9.7	0.77
bis(2-Chloroisopropyl) ether	ND	9.7	0.41
4-Methylphenol	ND	9.7	0.62
N-Nitroso-di-n-propylamine	ND	9.7	0.43
Hexachloroethane	ND	9.7	0.30
Nitrobenzene	ND	9.7	0.20
Isophorone	ND	9.7	0.50
2-Nitrophenol	ND	19	1.3
2,4-Dimethylphenol	ND	9.7	1.2
Benzoic acid	ND	49	11
bis(2-Chloroethoxy)methane	ND	9.7	0.43
2,4-Dichlorophenol	ND	9.7	0.56
1,2,4-Trichlorobenzene	ND	9.7	0.30
Naphthalene	ND	9.7	0.24
4-Chloroaniline	ND	9.7	0.67
1		9.7	0.35
Hexachlorobutadiene	ND	- · · · · · · · · · · · · · · · · · · ·	
4-Chloro-3-methylphenol	ND	9.7	0.93
2-Methylnaphthalene	ND	9.7	0.28
Hexachlorocyclopentadiene	ND	19	0.53
2,4,6-Trichlorophenol	ND	9.7	0.78
2,4,5-Trichlorophenol	ND	9.7	1.0
2-Chloronaphthalene	ND	9.7	0.32
2-Nitroaniline	ND	19	0.37
Dimethylphthalate	ND	9.7	0.51
Acenaphthylene	ND	9.7	0.45
2,6-Dinitrotoluene	ND	9.7	0.36
3-Nitroaniline	ND	19	0.68
Acenaphthene	ND	9.7	0.34
2,4-Dinitrophenol	ND	19	5.9
4-Nitrophenol	ND	19	0.52
Dibenzofuran	ND	9.7	0.38
2,4-Dinitrotoluene	ND	9.7	0.23
Diethylphthalate	ND	9.7	0.38
Fluorene	ND	9.7	0.38
4-Chlorophenyl-phenylether	ND	9.7	0.35
4-Chiorophenyi-phenyiether 4-Nitroaniline	ND ND	19	0.35
		9.7	0.37
Resorcinol	ND		
2,3,4,6-Tetrachlorophenol	ND	9.7	4 7
4,6-Dinitro-2-methylphenol	ND	19	4.7
N-Nitrosodiphenylamine	ND	9.7	0.27
Azobenzene	ND	9.7	0.44
4-Bromophenyl-phenylether	ND	9.7	0.30
Hexachlorobenzene	ND	9.7	0.43
Pentachlorophenol	ND	19	1.1
Phenanthrene	ND	9.7	0.44



	Semivolatil	e Organics by G	C/MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-4.1-052206	Batch#:	113865
Lab ID:	187024-007	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/02/06

Analyte	Result	RL	MDL
Anthracene	ND	9.7	0.47
Di-n-butylphthalate	ND	9.7	0.29
Fluoranthene	ND	9.7	0.40
Pyrene	ND	9.7	0.63
Butylbenzylphthalate	ND	9.7	0.29
3,3'-Dichlorobenzidine	ND	19	0.41
Benzo(a)anthracene	ND	9.7	0.41
Chrysene	ND	9.7	0.50
bis(2-Ethylhexyl)phthalate	ND	9.7	0.88
Di-n-octylphthalate	ND	9.7	0.34
Benzo(b) fluoranthene	ND	9.7	0.50
Benzo(k)fluoranthene	ND	9.7	0.73
Benzo(a)pyrene	ND	9.7	0.47
Indeno(1,2,3-cd)pyrene	ND	9.7	0.46
Dibenz(a,h)anthracene	ND	9.7	0.36
Benzo(g,h,i)perylene	ND	9.7	0.40

Surrogate	%REC	Limits	
2-Fluorophenol	92	36-120	
Phenol-d5	86	32-120	
2,4,6-Tribromophenol	76	37-120	
Nitrobenzene-d5	90	48-120	
2-Fluorobiphenyl	84	49-120	
Terphenyl-d14	79	22-120	



Semivolatile Organics by GC/MS					
Lab #:	187024	Location:	Former GA-Pacific Sawmill		
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C		
Project#:	16017.01	Analysis:	EPA 8270C		
Field ID:	MW-4.2-052206	Batch#:	113865		
Lab ID:	187024-008	Sampled:	05/22/06		
Matrix:	Water	Received:	05/23/06		
Units:	ug/L	Prepared:	05/26/06		
Diln Fac:		Analyzed:	06/02/06		

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.8	0.53
Phenol	ND	9.8	0.62
bis(2-Chloroethyl)ether	ND	9.8	0.42
2-Chlorophenol	ND	9.8	0.75
1,3-Dichlorobenzene	ND	9.8	0.19
1,4-Dichlorobenzene	ND	9.8	0.32
1 '	ND ND	9.8	0.32
Benzyl alcohol		9.8	0.40
1,2-Dichlorobenzene	ND		
2-Methylphenol	ND	9.8	0.77
bis(2-Chloroisopropyl) ether	ND	9.8	0.42
4-Methylphenol	ND	9.8	0.62
N-Nitroso-di-n-propylamine	ND	9.8	0.43
Hexachloroethane	ND	9.8	0.30
Nitrobenzene	ND	9.8	0.20
Isophorone	ND	9.8	0.51
2-Nitrophenol	ND	20	1.3
2,4-Dimethylphenol	ND	9.8	1.2
Benzoic acid	ND	49	11
bis(2-Chloroethoxy)methane	ND	9.8	0.44
2,4-Dichlorophenol	ND	9.8	0.56
1,2,4-Trichlorobenzene	ND	9.8	0.30
Naphthalene	ND	9.8	0.25
4-Chloroaniline	ND	9.8	0.67
	ND ND	9.8	0.36
Hexachlorobutadiene		9.8	0.94
4-Chloro-3-methylphenol	ND	9.8	0.29
2-Methylnaphthalene	ND		
Hexachlorocyclopentadiene	ND	20	0.54
2,4,6-Trichlorophenol	ND	9.8	0.79
2,4,5-Trichlorophenol	ND	9.8	1.0
2-Chloronaphthalene	ND	9.8	0.32
2-Nitroaniline	ND	20	0.37
Dimethylphthalate	ND	9.8	0.51
Acenaphthylene	ND	9.8	0.45
2,6-Dinitrotoluene	ND	9.8	0.36
3-Nitroaniline	ND	20	0.68
Acenaphthene	ND	9.8	0.35
2,4-Dinitrophenol	ND	20	5.9
4-Nitrophenol	ND	20	0.53
Dibenzofuran	ND	9.8	0.38
2,4-Dinitrotoluene	ND	9.8	0.23
Diethylphthalate	ND	9.8	0.38
Fluorene	ND	9.8	0.38
4-Chlorophenyl-phenylether	ND	9.8	0.36
4-Nitroaniline	ND	20	0.38
Resorcinol	ND ND	9.8	0.30
	ND	9.8	
2,3,4,6-Tetrachlorophenol	ND ND	20	4.7
4,6-Dinitro-2-methylphenol		9.8	0.28
N-Nitrosodiphenylamine	ND		
Azobenzene	ND	9.8	0.44
4-Bromophenyl-phenylether	ND	9.8	0.30
Hexachlorobenzene	ND	9.8	0.43
Pentachlorophenol	ND	20	1.1
Phenanthrene	ND	9.8	0.45



Semivolatile Organics by GC/MS					
Lab #:	187024	Location:	Former GA-Pacific Sawmill		
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C		
Project#:	16017.01	Analysis:	EPA 8270C		
Field ID:	MW-4.2-052206	Batch#:	113865		
Lab ID:	187024-008	Sampled:	05/22/06		
Matrix:	Water	Received:	05/23/06		
Units:	ug/L	Prepared:	05/26/06		
Diln Fac:	1.000	Analyzed:	06/02/06		

Analyte	Result	RL	MDL
Anthracene	ND	9.8	0.47
Di-n-butylphthalate	ND	9.8	0.29
Fluoranthene	ND	9.8	0.40
Pyrene	ND	9.8	0.63
Butylbenzylphthalate	ND	9.8	0.29
3,3'-Dichlorobenzidine	ND	20	0.42
Benzo(a)anthracene	ND	9.8	0.42
Chrysene	ND	9.8	0.51
bis(2-Ethylhexyl)phthalate	ND	9.8	0.89
Di-n-octylphthalate	ND	9.8	0.35
Benzo(b) fluoranthene	ND	9.8	0.51
Benzo(k) fluoranthene	ND	9.8	0.73
Benzo(a)pyrene	ND	9.8	0.47
Indeno(1,2,3-cd)pyrene	ND	9.8	0.47
Dibenz(a,h)anthracene	ND	9.8	0.36
Benzo(g,h,i)perylene	ND	9.8	0.40

Surrogate	%REC	Limits	
2-Fluorophenol	88	36-120	
Phenol-d5	85	32-120	
2,4,6-Tribromophenol	73	37-120	
Nitrobenzene-d5	79	48-120	
2-Fluorobiphenyl	83	49-120	·
Terphenyl-d14	95	22-120	



Semivolatile Organics by GC/MS					
Lab #:	187024	Location:	Former GA-Pacific Sawmill		
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C		
Project#:	16017.01	Analysis:	EPA 8270C		
Field ID:	MW-4.3-052206	Batch#:	113865		
Lab ID:	187024-009	Sampled:	05/22/06		
Matrix:	Water	Received:	05/23/06		
Units:	ug/L	Prepared:	05/26/06		
Diln Fac:	1.000	Analyzed:	06/02/06		

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.8	0.53
Phenol	ND	9.8	0.62
bis(2-Chloroethyl)ether	ND	9.8	0.42
2-Chlorophenol	ND	9.8	0.75
1,3-Dichlorobenzene	ND	9.8	0.19
1,4-Dichlorobenzene	ND	9.8	0.32
	ND	9.8	0.40
Benzyl alcohol		9.8	0.27
1,2-Dichlorobenzene	ND	9.8	0.77
2-Methylphenol	ND		
bis(2-Chloroisopropyl) ether	ND	9.8	0.42
4-Methylphenol	ND	9.8	0.62
N-Nitroso-di-n-propylamine	ND	9.8	0.43
Hexachloroethane	ND	9.8	0.30
Nitrobenzene	ND	9.8	0.20
Isophorone	ND	9.8	0.51
2-Nitrophenol	ND	20	1.3
2,4-Dimethylphenol	ND	9.8	1.2
Benzoic acid	ND	49	11
bis(2-Chloroethoxy)methane	ND	9.8	0.44
2,4-Dichlorophenol	ND	9.8	0.56
1,2,4-Trichlorobenzene	ND	9.8	0.30
Naphthalene	ND	9.8	0.25
4-Chloroaniline	ND	9.8	0.67
		9.8	0.36
Hexachlorobutadiene	ND		
4-Chloro-3-methylphenol	ND	9.8	0.94
2-Methylnaphthalene	ND	9.8	0.29
Hexachlorocyclopentadiene	ND	20	0.54
2,4,6-Trichlorophenol	ND	9.8	0.79
2,4,5-Trichlorophenol	ND	9.8	1.0
2-Chloronaphthalene	ND	9.8	0.32
2-Nitroaniline	ND	20	0.37
Dimethylphthalate	ND	9.8	0.51
Acenaphthylene	ND	9.8	0.45
2,6-Dinitrotoluene	ND	9.8	0.36
3-Nitroaniline	ND	20	0.68
Acenaphthene	ND	9.8	0.35
2,4-Dinitrophenol	ND	20	5.9
4-Nitrophenol	ND	20	0.53
Dibenzofuran	ND	9.8	0.38
2,4-Dinitrotoluene	ND	9.8	0.23
	ND	9.8	0.38
Diethylphthalate	ND ND	9.8	0.38
Fluorene		9.8	0.36
4-Chlorophenyl-phenylether	ND		
4-Nitroaniline	ND	20	0.38
Resorcinol	ND	9.8	
2,3,4,6-Tetrachlorophenol	ND	9.8	
4,6-Dinitro-2-methylphenol	ND	20	4.7
N-Nitrosodiphenylamine	ND	9.8	0.28
Azobenzene	ND	9.8	0.44
4-Bromophenyl-phenylether	ND	9.8	0.30
Hexachlorobenzene	ND	9.8	0.43
Pentachlorophenol	ND	20	1.1
Phenanthrene	ND	9.8	0.45



Semivolatile Organics by GC/MS					
Lab #:	187024	Location:	Former GA-Pacific Sawmill		
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C		
Project#:	16017.01	Analysis:	EPA 8270C		
Field ID:	MW-4.3-052206	Batch#:	113865		
Lab ID:	187024-009	Sampled:	05/22/06		
Matrix:	Water	Received:	05/23/06		
Units:	uq/L	Prepared:	05/26/06		
Diln Fac:	1.000	Analyzed:	06/02/06		

Analyte	Result	RL	MDL
Anthracene	ND	9.8	0.47
Di-n-butylphthalate	ND	9.8	0.29
Fluoranthene	ND	9.8	0.40
Pyrene	ND	9.8	0.63
Butylbenzylphthalate	ND	9.8	0.29
3,3'-Dichlorobenzidine	ND	20	0.42
Benzo(a) anthracene	ND	9.8	0.42
Chrysene	ND	9.8	0.51
bis(2-Ethylhexyl)phthalate	ND	9.8	0.89
Di-n-octylphthalate	ND	9.8	0.35
Benzo(b) fluoranthene	ND	9.8	0.51
Benzo(k) fluoranthene	ND	9.8	0.73
Benzo(a) pyrene	ND	9.8	0.47
Indeno(1,2,3-cd)pyrene	ND	9.8	0.47
Dibenz(a,h)anthracene	ND	9.8	0.36
Benzo(q,h,i)perylene	ND	9.8	0.40

Surrogate	%REC	Limits
2-Fluorophenol	95	36-120
Phenol-d5	95	32-120
2,4,6-Tribromophenol	88	37-120
Nitrobenzene-d5	90	48-120
2-Fluorobiphenyl	94	49-120
Terphenyl-d14	101	22-120



Semivolatile Organics by GC/MS				
Lab #:	187024	Location:	Former GA-Pacific Sawmill	
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C	
Project#:	16017.01	Analysis:	EPA 8270C	
Field ID:	MW-4.4-052206	Batch#:	113865	
Lab ID:	187024-010	Sampled:	05/22/06	
Matrix:	Water	Received:	05/23/06	
Units:	uq/L	Prepared:	05/26/06	
Diln Fac:	1.000	Analyzed:	06/02/06	

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.8	0.53
Phenol	ND	9.8	0.62
bis(2-Chloroethyl)ether	ND	9.8	0.42
2-Chlorophenol	ND	9.8	0.75
· · · · · · · · · · · · · · · · · · ·	ND	9.8	0.19
1,3-Dichlorobenzene		9.8	0.32
1,4-Dichlorobenzene	ND	9.8	0.32
Benzyl alcohol	ND		· · · · · · · · · · · · · · · · · · ·
1,2-Dichlorobenzene	ND	9.8	0.27
2-Methylphenol	ND	9.8	0.77
bis(2-Chloroisopropyl) ether	ND	9.8	0.42
4-Methylphenol	ND	9.8	0.62
N-Nitroso-di-n-propylamine	ND	9.8	0.43
Hexachloroethane	ND	9.8	0.30
Nitrobenzene	ND	9.8	0.20
Isophorone	ND	9.8	0.51
2-Nitrophenol	ND	20	1.3
2,4-Dimethylphenol	ND	9.8	1.2
Benzoic acid	ND	49	11
bis (2-Chloroethoxy) methane	ND	9.8	0.44
2,4-Dichlorophenol	ND	9.8	0.56
1,2,4-Trichlorobenzene	ND	9.8	0.30
Naphthalene	ND	9.8	0.25
	ND ND	9.8	0.67
4-Chloroaniline		9.8	0.36
Hexachlorobutadiene	ND	9.8	0.30
4-Chloro-3-methylphenol	ND		0.29
2-Methylnaphthalene	ND	9.8	
Hexachlorocyclopentadiene	ND	20	0.54
2,4,6-Trichlorophenol	ND	9.8	0.79
2,4,5-Trichlorophenol	ND	9.8	1.0
2-Chloronaphthalene	ND	9.8	0.32
2-Nitroaniline	ND	20	0.37
Dimethylphthalate	ND	9.8	0.51
Acenaphthylene	ND	9.8	0.45
2,6-Dinitrotoluene	ND	9.8	0.36
3-Nitroaniline	ND	20	0.68
Acenaphthene	ND	9.8	0.35
2,4-Dinitrophenol	ND	20	5.9
4-Nitrophenol	ND	20	0.53
Dibenzofuran	ND	9.8	0.38
2,4-Dinitrotoluene	ND	9.8	0.23
Diethylphthalate	ND	9.8	0.38
	ND	9.8	0.38
Fluorene	ND	9.8	0.36
4-Chlorophenyl-phenylether		20	0.38
4-Nitroaniline	ND	9.8	Ç.50
Resorcinol	ND	9.8	
2,3,4,6-Tetrachlorophenol	ND		4.7
4,6-Dinitro-2-methylphenol	ND	20	
N-Nitrosodiphenylamine	ND	9.8	0.28
Azobenzene	ND	9.8	0.44
4-Bromophenyl-phenylether	ND	9.8	0.30
Hexachlorobenzene	ND	9.8	0.43
Pentachlorophenol	ND	20	1.1
Phenanthrene	ND	9.8	0.45



Semivolatile Organics by GC/MS				
Lab #:	187024	Location:	Former GA-Pacific Sawmill	
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C	
Project#:	16017.01	Analysis:	EPA 8270C	
Field ID:	MW-4.4-052206	Batch#:	113865	
Lab ID:	187024-010	Sampled:	05/22/06	
Matrix:	Water	Received:	05/23/06	
Units:	ug/L	Prepared:	05/26/06	
Diln Fac:	1.000	Analyzed:	06/02/06	

Analyte	Result	RL	MDL
Anthracene	ND	9.8	0.47
Di-n-butylphthalate	ND	9.8	0.29
Fluoranthene	ND	9.8	0.40
Pyrene	ND	9.8	0.63
Butylbenzylphthalate	ND	9.8	0.29
3,3'-Dichlorobenzidine	ND	20	0.42
Benzo(a)anthracene	ND	9.8	0.42
Chrysene	ND	9.8	0.51
bis(2-Ethylhexyl)phthalate	ND	9.8	0.89
Di-n-octylphthalate	ND	9.8	0.35
Benzo(b) fluoranthene	ND	9.8	0.51
Benzo(k) fluoranthene	ND	9.8	0.73
Benzo(a)pyrene	ND	9.8	0.47
Indeno(1,2,3-cd)pyrene	ND	9.8	0.47
Dibenz(a,h)anthracene	ND	9.8	0.36
Benzo(q,h,i)perylene	ND	9.8	0.40

Surrogate	%REC	Limits	
2-Fluorophenol	88	36-120	
Phenol-d5	90	32-120	
2,4,6-Tribromophenol	76	37-120	
Nitrobenzene-d5	73	48-120	
2-Fluorobiphenyl	84	49-120	
Terphenyl-d14	81	22-120	



	Semivolatile	organics by G	C/MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-5.6-052206	Batch#:	113865
Lab ID:	187024-011	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/02/06

N-Nitrosodimethylamine ND 9.8 0.53 Dhenol ND 9.8 0.62 Dis(2-Chlorophenol ND 9.8 0.42 2-Chlorophenol ND 9.8 0.42 1,3-Dichlorobenzene ND 9.8 0.15 1,4-Dichlorobenzene ND 9.8 0.12 1,4-Dichlorobenzene ND 9.8 0.12 Henzyl alcohol ND 9.8 0.42 Henzyl alcohol ND 9.8 0.42 Henzyl alcohol ND 9.8 0.47 Dis(2-Chloroisopropyl) ether ND 9.8 0.42 -Methylphenol ND 9.8 0.42 -Methylphenol ND 9.8 0.42 -Methylphenol ND 9.8 0.42 N-Nitroso-di-n-propylamine ND 9.8 0.43 Hexachloroethane ND 9.8 0.30 Nitrobenzene ND 9.8 0.30 Nitrobenzene ND 9.8 0.51 2-Nitrophenol ND 9.8 0.54 2,4-Disherhylphenol ND 9.8 0.44 2,2-Dichloroethacy) methane ND 9.8 0.44 2,3-Dichloroethacy) methane ND 9.8 0.44 2,4-Dichloroethace ND 9.8 0.56 4-Chloroaniline ND 9.8 0.56 4-Chloro-aniline ND 9.8 0.57 4-Chloro-aniline ND 9.8 0.57 4-Chloro-aniline ND 9.8 0.57 4-Chloro-aniline ND 9.8 0.59 4-Chloronaphthalene ND 9.8 0.94 4-Chloro-aniline ND 9.8 0.94 4-Chloro-aniline ND 9.8 0.94 4-Chloronaphthalene ND 9.8 0.95 4-Chloronaphthalene ND 9.8 0.57 District ND 9.8 0.57 Acceptive ND 9.8 0.57 Acceptive ND 9.8 0.57 Acceptive ND 9.8 0.58 Acceptive ND 9.8 0.35 Acceptive ND 9.8 0.35 Acceptive ND 9.8 0.36 Acceptive ND 9.8 0.36 Acceptive ND 9.8 0.36 Acceptive ND 9.8 0.38 Ac	Analyte	Result	RL	MDL
Phenol				0.53
bis(2-Chloropethyl)ether			9.8	0.62
2-Chlorophenol				
1,4-Dichlorobenzene ND				
1,4-Dichlorobenzene	1			
Benzyl alcohol				
1,2-Dichlorobenzene				
2-Methylphenol ND				
Dis (2-Chlorosiospropyl) ether ND 9.8 0.42				
## A methylphenol ND 9.8 0.62 N-Nitrose-di-n-propylamine ND 9.8 0.43 Hexachloroethane ND 9.8 0.30 Nitrobenzene ND 9.8 0.20 Isophorone ND 9.8 0.51 2-Nitrophenol ND 9.8 0.51 2-Nitrophenol ND 9.8 0.51 2-Nitrophenol ND 9.8 1.2 Benzoic acid ND 9.8 1.2 Benzoic acid ND 9.8 0.56 Dis(2-Chloroethoxy)methane ND 9.8 0.56 1.2,4-Dichlorophenol ND 9.8 0.56 1.2,1-Trichlorophenol ND 9.8 0.56 1.2,1-Trichlorophenol ND 9.8 0.56 Naphthalene ND 9.8 0.56 Hexachlorobutadiene ND 9.8 0.67 Hexachlorobutadiene ND 9.8 0.67 Hexachlorobutadiene ND 9.8 0.67 Hexachlorocyclopentadiene ND 9.8 0.94 2-Methylnaphthalene ND 9.8 0.29 Hexachlorocyclopentadiene ND 9.8 0.29 Hexachlorocyclopentadiene ND 9.8 0.79 2,4,5-Trichlorophenol ND 9.8 0.79 2,4,5-Trichlorophenol ND 9.8 0.79 2-Nitroaniline ND 9.8 0.32 2-Nitroaniline ND 9.8 0.32 2-Nitroaniline ND 9.8 0.32 2-Nitroaniline ND 9.8 0.35 Dimethylphthalate ND 9.8 0.35 Acenaphthylene ND 9.8 0.51 Acenaphthylene ND 9.8 0.36 3-Nitroaniline ND 9.8 0.36 3-Nitroaniline ND 9.8 0.36 Acenaphthene ND 9.8 0.35 2,4-Dinitrobluene ND 9.8 0.35 2,4-Dinitrophenol ND 9.8 0.35 4-Nitrophenol ND 9.8 0.38 Pluorene ND 9.8 0.39 Pluorene ND 9.8 0.30 Pluorene ND 9.8 0.3				
N-Nitroso-di-n-propylamine ND				
Hexachloroethane				
Nitrobenzeme	N-Nitroso-di-n-propylamine			
Tempherone	Hexachloroethane	ND		
2-Mitrophenol	Nitrobenzene	ND		
2-Mitrophenol ND 20 1.3 2.4 - Dimethylphenol ND 9.8 1.2	Isophorone	ND	9.8	0.51
2,4-Dimethylphenol		ND	20	1.3
Benzoic acid		ND	9.8	1.2
Discription			4.9	11
2,4-Dichlorophenol				$^{-0}_{0.44}$
1,2,4-Trichlorobenzene				
Naphthalene				
4-Chloroaniline				* *
Hexachlorobutadiene				
4-Chloro-3-methylphenol ND 9.8 0.94 2-Methylnaphthalene ND 9.8 0.29 Hexachlorocyclopentadiene ND 20 0.54 2,4,6-Trichlorophenol ND 9.8 0.79 2,4,5-Trichlorophenol ND 9.8 0.79 2,4,5-Trichlorophenol ND 9.8 0.32 2-Nitroaniline ND 9.8 0.32 2-Nitroaniline ND 9.8 0.32 2-Nitroaniline ND 9.8 0.51 Acenaphthylene ND 9.8 0.51 Acenaphthylene ND 9.8 0.45 2,6-Dinitrotoluene ND 9.8 0.36 3-Nitroaniline ND 9.8 0.36 3-Nitroaniline ND 9.8 0.36 Acenaphthene ND 9.8 0.36 Acenaphthene ND 9.8 0.35 2,4-Dinitrophenol ND 9.8 0.35 2,4-Dinitrophenol ND 9.8 0.35 2,4-Dinitrophenol ND 9.8 0.35 2,4-Dinitrotoluene ND 9.8 0.38 4-Chlorophenyl-phenylether ND 9.8 0.38 4-Chlorophenyl-phenylether ND 9.8 0.38 4-Nitroaniline ND 9.8 0.38 4-Nitroaniline ND 9.8 0.38 4-Olinitro-2-methylphenol ND 9.8 0.38 Azobenzene ND 9.8 0.28 Azobenzene ND 9.8 0.30 Hexachlorophenyl-phenylether ND 9.8 0.30 Hexachlorobenzene ND 9.8 0.30 Hexachlorophenol ND 9.8 0.44 Pertachlorophenol ND 9.8 0.43				
2-Methylnaphthalene ND 9.8 0.29 Hexachlorocyclopentadiene ND 20 0.54 2,4,6-Trichlorophenol ND 9.8 0.79 2,4,5-Trichlorophenol ND 9.8 1.0 2-Chloronaphthalene ND 9.8 0.32 2-Nitroaniline ND 9.8 0.37 Dimethylphthalate ND 9.8 0.51 Acenaphthylene ND 9.8 0.55 Acenaphthylene ND 9.8 0.45 2,6-Dinitrotoluene ND 9.8 0.36 3-Nitroaniline ND 9.8 0.36 3-Nitroaniline ND 9.8 0.36 3-Nitroaniline ND 9.8 0.35 2,4-Dinitrophenol ND 9.8 0.35 2,4-Dinitrophenol ND 9.8 0.35 2,4-Dinitrophenol ND 9.8 0.35 4-Nitrophenol ND 9.8 0.35 5.9 4-Nitrophenol ND 9.8 0.38 2,4-Dinitrotoluene ND 9.8 0.38 2,4-Dinitrotoluene ND 9.8 0.38 Fluorene ND 9.8 0.38 4-Chlorophenyl-phenylether ND 9.8 0.38 4-Chlorophenyl-phenylether ND 9.8 0.38 A-Chlorophenyl-phenylether ND 9.8 0.28 A-Robenzene ND 9.8 0.44 A-Robenzene ND 9.8 0.44 A-Bromophenyl-phenylether ND 9.8 0.43 A-Robenzene ND 9.8 0.43 A-Robenzene ND 9.8 0.43 A-Robenzene ND 9.8 0.43 B-Pentachlorophenol ND 9.8 0.43	.			
Hexachlorocyclopentadiene				
2,4,6-Trichlorophenol ND 9.8 0.79 2,4,5-Trichlorophenol ND 9.8 1.0 2-Chloronaphthalene ND 9.8 0.32 2-Nitroaniline ND 9.8 0.32 2-Nitroaniline ND 9.8 0.51 Acenaphthylene ND 9.8 0.51 Acenaphthylene ND 9.8 0.45 2,6-Dinitrotoluene ND 9.8 0.36 3-Nitroaniline ND 9.8 0.36 3-Nitroaniline ND 9.8 0.36 3-Nitroaniline ND 9.8 0.35 2,4-Dinitrophenol ND 9.8 0.35 2,4-Dinitrophenol ND 9.8 0.35 2,4-Dinitrophenol ND 9.8 0.35 2,4-Dinitrotoluene ND 9.8 0.38 4-Chlorophenyl-phenylether ND 9.8 0.38 4-Chlorophenyl-phenylether ND 9.8 0.38 4-Chiorophenyl-phenylether ND 9.8 0.38 Acenaphthene ND 9.8 0.36 A-Nitroaniline ND 9.8 0.36 A-Nitroaniline ND 9.8 0.36 A-Nitroaniline ND 9.8 0.36 A-Nitroaniline ND 9.8 0.36 A-Nitrosodiphenyl-phenylether ND 9.8 0.38 A-Chlorophenyl-phenylether ND 9.8 0.38 A-Chlorophenyl-phenylether ND 9.8 0.28 A-Zobenzene ND 9.8 0.28 A-Zobenzene ND 9.8 0.44 A-Bromophenyl-phenylether ND 9.8 0.43 Pentachlorophenol ND 9.8 0.43 Pentachlorophenol ND 9.8 0.43 Pentachlorophenol ND 9.8 0.44				
2,4/5-Trichlorophenol				
2-Chloronaphthalene ND 9.8 0.32 2-Nitroaniline ND 20 0.37 Dimethylphthalate ND 9.8 0.51 Acenaphtylene ND 9.8 0.45 2,6-Dimitrotoluene ND 9.8 0.36 3-Nitroaniline ND 9.8 0.36 3-Nitroaniline ND 9.8 0.36 Acenaphthene ND 9.8 0.35 2,4-Dimitrophenol ND 9.8 0.35 2,4-Dimitrophenol ND 20 5.9 4-Nitrophenol ND 20 5.9 4-Nitrophenol ND 20 0.53 Dibenzofuran ND 9.8 0.38 2,4-Dimitrotoluene ND 9.8 0.38 2,4-Dimitrotoluene ND 9.8 0.38 Eluorene ND 9.8 0.38 Fluorene ND 9.8 0.38 4-Chlorophenyl-phenylether ND 9.8 0.38 4-Chlorophenyl-phenylether ND 9.8 0.36 4-Nitroaniline ND 9.8 0.36 4-Nitroaniline ND 9.8 0.36 A-Nitroaniline ND 9.8 0.36 A-Dimitro-2-methylphenol ND 9.8 0.38 Azobenzene ND 9.8 0.38 Azobenzene ND 9.8 0.36 Azobenzene ND 9.8 0.44 A-Bromophenyl-phenylether ND 9.8 0.44 A-Bromophenyl-phenylether ND 9.8 0.30 Hexachlorobenzene ND 9.8 0.30 Hexachlorobenzene ND 9.8 0.30 Hexachlorophenol ND 9.8 0.44 Pentachlorophenol ND 9.8 0.44				
2-Nitroaniline	2,4,5-Trichlorophenol			
Dimethylphthalate ND 9.8 0.51 Acenaphthylene ND 9.8 0.45 2,6-Dinitrotoluene ND 9.8 0.36 3-Nitroaniline ND 20 0.68 Acenaphthene ND 9.8 0.35 Acenaphthene ND 9.8 0.35 2,4-Dinitrophenol ND 20 5.9 4-Nitrophenol ND 20 0.53 Dibenzofuran ND 20 0.53 Dibenzofuran ND 9.8 0.38 2,4-Dinitrotoluene ND 9.8 0.38 2,4-Dinitrotoluene ND 9.8 0.38 Eluorene ND 9.8 0.38 Fluorene ND 9.8 0.38 A-Chlorophenyl-phenylether ND 9.8 0.38 A-Chlorophenyl-phenylether ND 9.8 0.38 A-Chlorophenyl-phenylether ND 9.8 0.38 A-Chlorophenyl-phenylether ND 9.8 0.38 A-Dinitro-2-methylphenol ND 9.8 Azobenzene ND 9.8 0.28 Azobenzene ND 9.8 0.28 Azobenzene ND 9.8 0.44 A-Bromophenyl-phenylether ND 9.8 0.43 Pentachlorophenol ND 9.8 0.43 Pentachlorophenol ND 9.8 0.43 Pentachlorophenol ND 9.8 0.44	2-Chloronaphthalene	ND		
Acenaphthylene ND 9.8 0.45 2,6-Dinitrotoluene ND 9.8 0.36 3-Nitroaniline ND 20 0.68 Acenaphthene ND 9.8 0.35 2,4-Dinitrophenol ND 20 5.9 4-Nitrophenol ND 20 0.53 Dibenzofuran ND 9.8 0.38 2,4-Dinitrotoluene ND 9.8 0.38 2,4-Dinitrotoluene ND 9.8 0.38 Eq.4-Dinitrotoluene ND 9.8 0.38 Eq.4-Dinitrotoluene ND 9.8 0.38 Fluorene ND 9.8 0.38 Fluorene ND 9.8 0.38 Fluorene ND 9.8 0.38 Esorcinol ND 9.8 0.38 Resorcinol ND 9.8 0.39 Resorcinol ND 9.8 0.28 Azobenzene ND 9.8 0.44 Resorcinophenylamine ND 9.8 0.44 Resorcinophenylamine ND 9.8 0.30 Resorcinol 9.8 0.30 Resorcinol ND 9.8 0.30	2-Nitroaniline	ND		
2,6-Dinitrotoluene ND 9.8 0.36 3-Nitroaniline ND 20 0.68 Acenaphthene ND 9.8 0.35 2,4-Dinitrophenol ND 20 5.9 4-Nitrophenol ND 20 0.53 Dibenzofuran ND 9.8 0.38 2,4-Dinitrotoluene ND 9.8 0.38 2,4-Dinitrotoluene ND 9.8 0.38 Diethylphthalate ND 9.8 0.38 Fluorene ND 9.8 0.38 4-Chlorophenyl-phenylether ND 9.8 0.38 4-Nitroaniline ND 9.8 0.36 4-Nitroaniline ND 9.8 0.36 4-Nitroaniline ND 9.8 0.38 Resorcinol ND 9.8 0.38 Resorcinol ND 9.8 0.38 A,6-Dinitro-2-methylphenol ND 9.8 A,6-Dinitro-2-methylphenol ND 9.8 Azobenzene ND 9.8 0.28 Azobenzene ND 9.8 0.40 A-Bromophenyl-phenylether ND 9.8 0.40 A-Bromopheny	Dimethylphthalate	ND	9.8	
2,6-Dinitrotoluene	Acenaphthylene	ND	9.8	0.45
3-Nitroaniline		ND	9.8	0.36
Acenaphthene ND 9.8 0.35 2,4-Dinitrophenol ND 20 5.9 4-Nitrophenol ND 20 0.53 Dibenzofuran ND 9.8 0.38 2,4-Dinitrotoluene ND 9.8 0.23 Diethylphthalate ND 9.8 0.38 Fluorene ND 9.8 0.38 4-Chlorophenyl-phenylether ND 9.8 0.36 4-Nitroaniline ND 20 0.38 Resorcinol ND 9.8 0.30 2,3,4,6-Tetrachlorophenol ND 9.8 0.28 4,6-Dinitro-2-methylphenol ND 9.8 0.28 Azobenzene ND 9.8 0.28 Azobenzene ND 9.8 0.44 4-Bromophenyl-phenylether ND 9.8 0.44 4-Bromophenyl-phenylether ND 9.8 0.43 Pentachlorophenol ND 20 1.1 1-1 1.1 1.1		ND	20	0.68
2,4-Dinitrophenol ND 20 5.9 4-Nitrophenol ND 20 0.53 Dibenzofuran ND 9.8 0.38 2,4-Dinitrotoluene ND 9.8 0.23 Diethylphthalate ND 9.8 0.38 Fluorene ND 9.8 0.38 4-Chlorophenyl-phenylether ND 9.8 0.36 4-Nitroaniline ND 20 0.38 Resorcinol ND 9.8 0.38 2,3,4,6-Tetrachlorophenol ND 9.8 0.47 4,6-Dinitro-2-methylphenol ND 9.8 0.28 Azobenzene ND 9.8 0.28 Azobenzene ND 9.8 0.44 4-Bromophenyl-phenylether ND 9.8 0.30 Hexachlorobenzene ND 9.8 0.43 Pentachlorophenol ND 20 1.1			9.8	0.35
4-Nitrophenol ND 20 0.53 Dibenzofuran ND 9.8 0.38 2,4-Dinitrotoluene ND 9.8 0.23 Diethylphthalate ND 9.8 0.38 Fluorene ND 9.8 0.38 4-Chlorophenyl-phenylether ND 9.8 0.36 4-Nitroaniline ND 20 0.38 Resorcinol ND 9.8 0.38 2,3,4,6-Tetrachlorophenol ND 9.8 0.47 4,6-Dinitro-2-methylphenol ND 9.8 0.28 Azobenzene ND 9.8 0.28 Azobenzene ND 9.8 0.44 4-Bromophenyl-phenylether ND 9.8 0.30 Hexachlorobenzene ND 9.8 0.43 Pentachlorophenol ND 20 1.1 Pentachlorophenol ND 20 1.1	· · · · · · · · · · · · · · · · · · ·			
Dibenzofuran ND 9.8 0.38 2,4-Dinitrotoluene ND 9.8 0.23 Diethylphthalate ND 9.8 0.38 Fluorene ND 9.8 0.38 4-Chlorophenyl-phenylether ND 9.8 0.36 4-Nitroaniline ND 20 0.38 Resorcinol ND 9.8 0.38 2,3,4,6-Tetrachlorophenol ND 9.8 0.47 N-Nitrosodiphenylamine ND 9.8 0.28 Azobenzene ND 9.8 0.44 4-Bromophenyl-phenylether ND 9.8 0.30 Hexachlorobenzene ND 9.8 0.43 Pentachlorophenol ND 20 1.1				
2,4-Dinitrotoluene				
Diethylphthalate ND 9.8 0.38 Fluorene ND 9.8 0.38 4-Chlorophenyl-phenylether ND 9.8 0.36 4-Nitroaniline ND 20 0.38 Resorcinol ND 9.8 0.38 2,3,4,6-Tetrachlorophenol ND 9.8 0.28 4,6-Dinitro-2-methylphenol ND 9.8 0.28 N-Nitrosodiphenylamine ND 9.8 0.28 Azobenzene ND 9.8 0.44 4-Bromophenyl-phenylether ND 9.8 0.30 Hexachlorobenzene ND 9.8 0.43 Pentachlorophenol ND 20 1.1				
Fluorene				
4-Chlorophenyl-phenylether ND 9.8 0.36 4-Nitroaniline ND 20 0.38 Resorcinol ND 9.8 9.8 2,3,4,6-Tetrachlorophenol ND 9.8 4.7 4,6-Dinitro-2-methylphenol ND 20 4.7 N-Nitrosodiphenylamine ND 9.8 0.28 Azobenzene ND 9.8 0.44 4-Bromophenyl-phenylether ND 9.8 0.30 Hexachlorobenzene ND 9.8 0.43 Pentachlorophenol ND 20 1.1				
4-Nitroaniline				
Resorcinol ND 9.8 2,3,4,6-Tetrachlorophenol ND 9.8 4,6-Dinitro-2-methylphenol ND 20 4.7 N-Nitrosodiphenylamine ND 9.8 0.28 Azobenzene ND 9.8 0.44 4-Bromophenyl-phenylether ND 9.8 0.30 Hexachlorobenzene ND 9.8 0.43 Pentachlorophenol ND 20 1.1				
2,3,4,6-Tetrachlorophenol ND 9.8 4,6-Dinitro-2-methylphenol ND 20 4.7 N-Nitrosodiphenylamine ND 9.8 0.28 Azobenzene ND 9.8 0.44 4-Bromophenyl-phenylether ND 9.8 0.30 Hexachlorobenzene ND 9.8 0.43 Pentachlorophenol ND 20 1.1				
4,6-Dinitro-2-methylphenol ND 20 4.7 N-Nitrosodiphenylamine ND 9.8 0.28 Azobenzene ND 9.8 0.44 4-Bromophenyl-phenylether ND 9.8 0.30 Hexachlorobenzene ND 9.8 0.43 Pentachlorophenol ND 20 1.1	1			
N-Nitrosodiphenylamine				
Azobenzene ND 9.8 0.44 4-Bromophenyl-phenylether ND 9.8 0.30 Hexachlorobenzene ND 9.8 0.43 Pentachlorophenol ND 20 1.1	4 '			
4-Bromophenyl-phenylether ND 9.8 0.30 Hexachlorobenzene ND 9.8 0.43 Pentachlorophenol ND 20 1.1	N-Nitrosodiphenylamine			
Hexachlorophenol ND 9.8 0.43 Pentachlorophenol ND 20 1.1				
Pentachlorophenol ND 20 1.1	4-Bromophenyl-phenylether	ND		
Pentachlorophenol ND 20 1.1	Hexachlorobenzene	ND		
		ND		
Phenanthrene ND 9.8 0.45	Phenanthrene	ND	9.8	0.45



	Semivolatile	e Organics by G	c/ms
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-5.6-052206	Batch#:	113865
Lab ID:	187024-011	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	uq/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/02/06

Analyte	Result	RL	MDL
Anthracene	ND	9.8	0.47
Di-n-butylphthalate	ND	9.8	0.29
Fluoranthene	ND	9.8	0.40
Pyrene	ND	9.8	0.63
Butylbenzylphthalate	ND	9.8	0.29
3,3 ¹ -Dichlorobenzidine	ND	20	0.42
Benzo(a) anthracene	ND	9.8	0.42
Chrysene	ND	9.8	0.51
bis(2-Ethylhexyl)phthalate	ND	9.8	0.89
Di-n-octylphthalate	ND	9.8	0.35
Benzo(b) fluoranthene	ND	9.8	0.51
Benzo(k) fluoranthene	ND	9.8	0.73
Benzo(a)pyrene	ND	9.8	0.47
Indeno(1,2,3-cd)pyrene	ND	9.8	0.47
Dibenz(a,h)anthracene	ND	9.8	0.36
Benzo(q,h,i)perylene	ND	9.8	0.40

Surrogate	%REC	Limits	
2-Fluorophenol	84	36-120	
Phenol-d5	90	32-120	
2,4,6-Tribromophenol	83	37-120	
Nitrobenzene-d5	74	48-120	
2-Fluorobiphenyl	80	49-120	
Terphenyl-d14	83	22-120	



	Semivolatil	e Organics by G	C/MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-5.7-052206	Batch#:	113865
Lab ID:	187024-012	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	uq/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/02/06

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.8	0.53
Phenol	ND	9.8	0.62
bis(2-Chloroethyl)ether	ND	9.8	0.42
	ND ND	9.8	0.75
2-Chlorophenol		9.8	0.19
1,3-Dichlorobenzene	ND	9.8	0.15
1,4-Dichlorobenzene	ND		0.32
Benzyl alcohol	ND	9.8	
1,2-Dichlorobenzene	ND	9.8	0.27
2-Methylphenol	ND	9.8	0.77
bis(2-Chloroisopropyl) ether	ND	9.8	0.42
4-Methylphenol	ND	9.8	0.62
N-Nitroso-di-n-propylamine	ND	9.8	0.43
Hexachloroethane	ND	9.8	0.30
Nitrobenzene	ND	9.8	0.20
Isophorone	ND	9.8	0.51
2-Nitrophenol	ND	20	1.3
2,4-Dimethylphenol	ND	9.8	1.2
Benzoic acid	ND	49	11
bis(2-Chloroethoxy)methane	ND	9.8	0.44
2,4-Dichlorophenol	ND	9.8	0.56
1,2,4-Trichlorobenzene	ND	9.8	0.30
Naphthalene	ND	9.8	0.25
4-Chloroaniline	ND	9.8	0.67
Hexachlorobutadiene	ND	9.8	0.36
4-Chloro-3-methylphenol	ND	9.8	0.94
	ND	9.8	0.29
2-Methylnaphthalene	ND	20	0.54
Hexachlorocyclopentadiene	ND	9.8	0.79
2,4,6-Trichlorophenol		9.8	1.0
2,4,5-Trichlorophenol	ND	9.8	0.32
2-Chloronaphthalene	ND		0.32
2-Nitroaniline	ND	20	0.51
Dimethylphthalate	ND	9.8	
Acenaphthylene	ND	9.8	0.45
2,6-Dinitrotoluene	ND	9.8	0.36
3-Nitroaniline	ND	20	0.68
Acenaphthene	ND	9.8	0.35
2,4-Dinitrophenol	ND	20	5.9
4-Nitrophenol	ND	20	0.53
Dibenzofuran	ND	9.8	0.38
2,4-Dinitrotoluene	ND	9.8	0.23
Diethylphthalate	ND	9.8	0.38
Fluorene	ND	9.8	0.38
4-Chlorophenyl-phenylether	ND	9.8	0.36
4-Nitroaniline	ND	20	0.38
Resorcinol	ND	9.8	
2,3,4,6-Tetrachlorophenol	ND	9.8	
4,6-Dinitro-2-methylphenol	ND	20	4.7
N-Nitrosodiphenylamine	ND	9.8	0.28
Azobenzene	ND	9.8	0.44
4-Bromophenyl-phenylether	ND	9.8	0.30
Hexachlorobenzene	ND	9.8	0.43
	ND ND	20	1.1
Pentachlorophenol	TAIT	20	

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	${\tt Semivolatil} \epsilon$	Organics by G	C/MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client: A	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#: 1	16017.01	Analysis:	EPA 8270C
Field ID:	MW-5.7-052206	Batch#:	113865
Lab ID:	187024-012	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/02/06

Analyte	Result	RL	MDL
Phenanthrene	ND	9.8	0.45
Anthracene	ND	9.8	0.47
Di-n-butylphthalate	ND	9.8	0.29
Fluoranthene	ND	9.8	0.40
Pyrene	ND	9.8	0.63
Butylbenzylphthalate	ND	9.8	0.29
3,3'-Dichlorobenzidine	ND	20	0.42
Benzo(a)anthracene	ND	9.8	0.42
Chrysene	ND	9.8	0.51
bis(2-Ethylhexyl)phthalate	1.1 J	9.8	0.89
Di-n-octylphthalate	ND	9.8	0.35
Benzo(b) fluoranthene	ND	9.8	0.51
Benzo(k) fluoranthene	ND	9.8	0.73
Benzo(a) pyrene	ND	9.8	0.47
Indeno(1,2,3-cd)pyrene	ND	9.8	0.47
Dibenz(a,h) anthracene	ND	9.8	0.36
Benzo(g,h,i)perylene	ND ·	9.8	0.40

Surrogate	%REC	Limits
2-Fluorophenol	87	36-120
Phenol-d5	91	32-120
2,4,6-Tribromophenol	89	37-120
Nitrobenzene-d5	82	48-120
2-Fluorobiphenyl	88	49-120
Terphenyl-d14	68	22-120

J= Estimated value
ND= Not Detected
RL= Reporting Limit
MDL= Method Detection Limit



	Semivolatil	e Organics by G	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-5.8-052206	Batch#:	113865
Lab ID:	187024-013	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/03/06

Analyte	Res	ult RL	MDL
N-Nitrosodimethylamine	ND	9.8	0.53
Phenol	ND	9.8	0.62
bis(2-Chloroethyl)ether	ND	9.8	0.42
2-Chlorophenol	ND	9.8	0.75
1,3-Dichlorobenzene	ND	9.8	0.19
1,4-Dichlorobenzene	ND	9.8	0.32
Benzyl alcohol	ND	9.8	0.40
1,2-Dichlorobenzene	ND	9.8	0.27
2-Methylphenol	ND	9.8	0.77
bis(2-Chloroisopropyl) ether	ND	9.8	0.42
4-Methylphenol	ND	9.8	0.62
N-Nitroso-di-n-propylamine	ND	9.8	0.43
Hexachloroethane	ND	9.8	0.30
Nitrobenzene	ND ND	9.8	0.20
	ND ND	9.8	0.51
Isophorone		20	1.3
2-Nitrophenol	ND	9.8	1.2
2,4-Dimethylphenol	ND		
Benzoic acid	ND	49	11
bis(2-Chloroethoxy)methane	ND	9.8	0.44
2,4-Dichlorophenol	ND	9.8	0.56
1,2,4-Trichlorobenzene	ND	9.8	0.30
Naphthalene	ND	9.8	0.25
4-Chloroaniline	ND	9.8	0.67
Hexachlorobutadiene	ND	9.8	0.36
4-Chloro-3-methylphenol	ND	9.8	0.94
2-Methylnaphthalene	ND	9.8	0.29
Hexachlorocyclopentadiene	ND	20	0.54
2,4,6-Trichlorophenol	ND	9.8	0.79
2,4,5-Trichlorophenol	ND	9.8	1.0
2-Chloronaphthalene	ND	9.8	0.32
2-Nitroaniline	ND	20	0.37
Dimethylphthalate	ND	9.8	0.51
Acenaphthylene	ND	9.8	0.45
2,6-Dinitrotoluene	ND	9.8	0.36
3-Nitroaniline	ND	20	0.68
Acenaphthene	ND	9.8	0.35
2,4-Dinitrophenol	ND	20	5.9
4-Nitrophenol	ND	20	0.53
Dibenzofuran	ND	9.8	0.38
2,4-Dinitrotoluene	ND	9.8	0.23
Diethylphthalate	ND	9.8	0.38
Fluorene	ND ND	9.8	0.38
4-Chlorophenyl-phenylether	ND	9.8	0.36
4-Chiorophenyi-phenyiether 4-Nitroaniline	ND	20	0.38
Resorcinol	ND ND	9.8	0.33
		9.8	
2,3,4,6-Tetrachlorophenol	ND	20	4.7
4,6-Dinitro-2-methylphenol	ND	9.8	0.28
N-Nitrosodiphenylamine	ND	9.8	0.28
Azobenzene	ND		0.44
4-Bromophenyl-phenylether	ND	9.8	
Hexachlorobenzene	ND	9.8	0.43
Pentachlorophenol	ND	20	1.1
Phenanthrene	ND	9.8	0.45



	Semivolatil	e Organics by G	IC/MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-5.8-052206	Batch#:	113865
Lab ID:	187024-013	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/03/06

Analyte	Result	RL	MDL
Anthracene	ND	9.8	0.47
Di-n-butylphthalate	ND	9.8	0.29
Fluoranthene	ND	9.8	0.40
Pyrene	ND	9.8	0.63
Butylbenzylphthalate	ND	9.8	0.29
3,3'-Dichlorobenzidine	ND	20	0.42
Benzo(a) anthracene	ND	9.8	0.42
Chrysene	ND	9.8	0.51
bis(2-Ethylhexyl)phthalate	ND	9.8	0.89
Di-n-octylphthalate	ND	9.8	0.35
Benzo(b) fluoranthene	ND	9.8	0.51
Benzo(k)fluoranthene	ND	9.8	0.73
Benzo(a)pyrene	ND	9.8	0.47
Indeno(1,2,3-cd)pyrene	ND	9.8	0.47
Dibenz(a,h)anthracene	ND	9.8	0.36
Benzo(q,h,i)perylene	ND	9.8	0.40

Surrogate	%REC	Limits	
2-Fluorophenol	90	36-120	
Phenol-d5	86	32-120	
2,4,6-Tribromophenol	75	37-120	
Nitrobenzene-d5	80	48-120	
2-Fluorobiphenyl	85	49-120	
Terphenyl-d14	88	22-120	



	Semivolatil	e Organics by G	C/MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	MW-5.9-052206	Batch#:	113865
Lab ID:	187024-014	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	uq/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/03/06

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.8	0.53
Phenol	ND	9.8	0.62
bis(2-Chloroethyl)ether	ND	9.8	0.42
2-Chlorophenol	ND	9.8	0.75
1,3-Dichlorobenzene	ND ND	9.8	0.19
• •	ND	9.8	0.32
1,4-Dichlorobenzene		9.8	0.40
Benzyl alcohol	ND		0.27
1,2-Dichlorobenzene	ND	9.8	
2-Methylphenol	ND	9.8	0.77
bis(2-Chloroisopropyl) ether	ND	9.8	0.42
4-Methylphenol	ND	9.8	0.62
N-Nitroso-di-n-propylamine	ND	9.8	0.43
Hexachloroethane	ND	9.8	0.30
Nitrobenzene	ND	9.8	0.20
Isophorone	ND	9.8	0.51
2-Nitrophenol	ND	20	1.3
2,4-Dimethylphenol	ND	9.8	1.2
Benzoic acid	ND	49	11
bis(2-Chloroethoxy) methane	ND	9.8	0.44
2,4-Dichlorophenol	ND	9.8	0.56
1,2,4-Trichlorobenzene	ND	9.8	0.30
1 1 2 2 2	ND ND	9.8	0.25
Naphthalene		9.8	0.67
4-Chloroaniline	ND	9.8	0.36
Hexachlorobutadiene	ND		0.36
4-Chloro-3-methylphenol	ND	9.8	
2-Methylnaphthalene	ND	9.8	0.29
Hexachlorocyclopentadiene	ND	20	0.54
2,4,6-Trichlorophenol	ND	9.8	0.79
2,4,5-Trichlorophenol	ND	9.8	1.0
2-Chloronaphthalene	ND	9.8	0.32
2-Nitroaniline	ND	20	0.37
Dimethylphthalate	ND	9.8	0.51
Acenaphthylene	ND	9.8	0.45
2,6-Dinitrotoluene	ND	9.8	0.36
3-Nitroaniline	ND	20	0.68
Acenaphthene	ND	9.8	0.35
2,4-Dinitrophenol	ND	20	5.9
4-Nitrophenol	ND	20	0.53
Dibenzofuran	ND	9.8	0.38
	ND	9.8	0.23
2,4-Dinitrotoluene	ND	9.8	0.38
Diethylphthalate		9.8	0.38
Fluorene	ND	9.8	0.36
4-Chlorophenyl-phenylether	ND		0.36
4-Nitroaniline	ND	20	0.30
Resorcinol	ND	9.8	
2,3,4,6-Tetrachlorophenol	ND	9.8	4 7
4,6-Dinitro-2-methylphenol	ND	20	4.7
N-Nitrosodiphenylamine	ND	9.8	0.28
Azobenzene	ND	9.8	0.44
4-Bromophenyl-phenylether	ND	9.8	0.30
Hexachlorobenzene	ND	9.8	0.43
Pentachlorophenol	ND	20	1.1
Phenanthrene	ND	9.8	0.45



	Semivolatile	organics by G	c/ms
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#: :	16017.01	Analysis:	EPA 8270C
Field ID:	MW-5.9-052206	Batch#:	113865
Lab ID:	187024-014	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/03/06

Analyte	Result	RL	MDL
Anthracene	ND	9.8	0.47
Di-n-butylphthalate	ND	9.8	0.29
Fluoranthene	ND	9.8	0.40
Pyrene	ND	9.8	0.63
Butylbenzylphthalate	ND	9.8	0.29
3,3 -Dichlorobenzidine	ND	20	0.42
Benzo(a) anthracene	ND	9.8	0.42
Chrysene	ND	9.8	0.51
bis(2-Ethylhexyl)phthalate	ND	9.8	0.89
Di-n-octylphthalate	ND	9.8	0.35
Benzo(b) fluoranthene	ND	9.8	0.51
Benzo(k) fluoranthene	ND	9.8	0.73
Benzo(a) pyrene	ND	9.8	0.47
Indeno(1,2,3-cd)pyrene	ND	9.8	0.47
Dibenz(a,h)anthracene	ND	9.8	0.36
Benzo(q,h,i)perylene	ND	9.8	0.40

Surrogate	%REC	Limits	
2-Fluorophenol	87	36-120	
Phenol-d5	88	32-120	
2,4,6-Tribromophenol	85	37-120	
Nitrobenzene-d5	79	48-120	·
2-Fluorobiphenyl	83	49-120	
Terphenyl-d14	92	22-120	



	Semivolatil	e Organics by G	
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	DUP-1-052206	Batch#:	113865
Lab ID:	187024-015	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	uq/L	Prepared:	05/26/06
Diln Fac:		Analyzed:	06/05/06

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.8	0.49
Phenol	ND	9.8	0.80
bis(2-Chloroethyl)ether	ND	9.8	0.46
2-Chlorophenol	ND	9.8	0.83
	ND	9.8	0.28
1,3-Dichlorobenzene	ND ND	9.8	0.30
1,4-Dichlorobenzene		9.8	•
Benzyl alcohol	ND		0.37
1,2-Dichlorobenzene	ND	9.8	0.32
2-Methylphenol	ND	9.8	0.78
bis(2-Chloroisopropyl) ether	ND	9.8	0.37
4-Methylphenol	ND	9.8	0.79
N-Nitroso-di-n-propylamine	ND	9.8	0.42
Hexachloroethane	ND	9.8	0.34
Nitrobenzene	ND	9.8	0.37
Isophorone	ND	9.8	0.39
2-Nitrophenol	ND	20	1.4
2,4-Dimethylphenol	ND	9.8	0.78
Benzoic acid	ND	49	13
bis(2-Chloroethoxy)methane	ND	9.8	0.43
2,4-Dichlorophenol	ND	9.8	0.77
1,2,4-Trichlorobenzene	ND	9.8	0.35
Naphthalene	ND	9.8	0.26
4-Chloroaniline	ND ND	9.8	0.83
		9.8	0.83
Hexachlorobutadiene	ND		
4-Chloro-3-methylphenol	ND	9.8	0.96
2-Methylnaphthalene	ND	9.8	0.38
Hexachlorocyclopentadiene	ND	20	1.5
2,4,6-Trichlorophenol	ND	9.8	0.82
2,4,5-Trichlorophenol	ND	9.8	1.1
2-Chloronaphthalene	ND	9.8	0.30
2-Nitroaniline	ND	20	0.46
Dimethylphthalate	ND	9.8	0.44
Acenaphthylene	ND	9.8	0.28
2,6-Dinitrotoluene	ND	9.8	0.66
3-Nitroaniline	ND	20	0.42
Acenaphthene	ND	9.8	0.31
2,4-Dinitrophenol	ND	20	2.9
4-Nitrophenol	ND	20	2.7
Dibenzofuran	ND	9.8	0.39
2,4-Dinitrotoluene	ND	9.8	0.43
	ND	9.8	0.46
Diethylphthalate	ND ND	9.8	0.40
Fluorene		9.8	0.42
4-Chlorophenyl-phenylether	ND		0.42
4-Nitroaniline	ND	20	0.4/
Resorcinol	ND	9.8	
2,3,4,6-Tetrachlorophenol	ND	9.8	
4,6-Dinitro-2-methylphenol	ND	20	4.4
N-Nitrosodiphenylamine	ND	9.8	0.31
Azobenzene	ND	9.8	0.40
4-Bromophenyl-phenylether	ND	9.8	0.36
Hexachlorobenzene	ND	9.8	0.25
Pentachlorophenol	ND	20	1.1
Phenanthrene	ND	9.8	0.38

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	Semivolatile	organics by G	C/MS
Lab #: 18	7024	Location:	Former GA-Pacific Sawmill
Client: Ac	ton Mickelson Environmental	Prep:	EPA 3520C
Project#: 16	017.01	Analysis:	EPA 8270C
Field ID:	DUP-1-052206	Batch#:	113865
Lab ID:	187024-015	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/05/06

Analyte	Result	RL	MDL
Anthracene	ND	9.8	0.37
Di-n-butylphthalate	ND	9.8	0.44
Fluoranthene	ND	9.8	0.37
Pyrene	ND	9.8	0.34
Butylbenzylphthalate	ND	9.8	0.42
3,3 ¹ -Dichlorobenzidine	ND	20	0.55
Benzo(a) anthracene	ND	9.8	0.33
Chrysene	ND	9.8	0.34
bis(2-Ethylhexyl)phthalate	ND	9.8	0.66
Di-n-octylphthalate	ND	9.8	0.36
Benzo(b) fluoranthene	ND	9.8	0.40
Benzo(k) fluoranthene	ND	9.8	0.43
Benzo(a) pyrene	ND	9.8	0.34
Indeno(1,2,3-cd)pyrene	ND	9.8	0.43
Dibenz(a,h)anthracene	ND	9.8	0.52
Benzo(g,h,i)perylene	ND	9.8	0.40

Surrogate	*REC	7 Minuts
2-Fluorophenol	66	36-120
Phenol-d5	66	32-120
2,4,6-Tribromophenol	95	37-120
Nitrobenzene-d5	67	48-120
2-Fluorobiphenyl	80	49-120
Terphenyl-d14	106	22-120



	Semivolatil	e Organics by G	C/MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	DUP-3-052206	Batch#:	113865
Lab ID:	187024-016	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/03/06

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	9.8	0.53
Phenol	ND	9.8	0.62
bis(2-Chloroethyl)ether	ND	9.8	0.42
2-Chlorophenol	ND	9.8	0.75
1,3-Dichlorobenzene	ND	9.8	0.19
	ND	9.8	0.32
1,4-Dichlorobenzene		9.8	0.40
Benzyl alcohol	ND	9.8	0.27
1,2-Dichlorobenzene	ND	9.8	0.77
2-Methylphenol	ND	9.8	
bis(2-Chloroisopropyl) ether	ND		0.42
4-Methylphenol	ND	9.8	0.62
N-Nitroso-di-n-propylamine	ND	9.8	0.43
Hexachloroethane	ND	9.8	0.30
Nitrobenzene	ND	9.8	0.20
Isophorone	ND	9.8	0.51
2-Nitrophenol	ND	20	1.3
2,4-Dimethylphenol	ND	9.8	1.2
Benzoic acid	ND	49	11
bis(2-Chloroethoxy)methane	ND	9.8	0.44
2,4-Dichlorophenol	ND	9.8	0.56
1,2,4-Trichlorobenzene	ND	9.8	0.30
Naphthalene	ND	9.8	0.25
4-Chloroaniline	ND	9.8	0.67
Hexachlorobutadiene	ND	9.8	0.36
	ND ND	9.8	0.94
4-Chloro-3-methylphenol	ND ND	9.8	0.29
2-Methylnaphthalene		20	0.54
Hexachlorocyclopentadiene	ND		0.79
2,4,6-Trichlorophenol	ND	9.8	
2,4,5-Trichlorophenol	ND	9.8	1.0
2-Chloronaphthalene	ND	9.8	0.32
2-Nitroaniline	ND	20	0.37
Dimethylphthalate	ND	9.8	0.51
Acenaphthylene	ND	9.8	0.45
2,6-Dinitrotoluene	ND	9.8	0.36
3-Nitroaniline	ND	20	0.68
Acenaphthene	ND	9.8	0.35
2,4-Dinitrophenol	ND	20	5.9
4-Nitrophenol	ND	20	0.53
Dibenzofuran	ND	9.8	0.38
2,4-Dinitrotoluene	ND	9.8	0.23
Diethylphthalate	ND	9.8	0.38
Fluorene	ND	9.8	0.38
4-Chlorophenyl-phenylether	ND	9.8	0.36
4-Nitroaniline	ND	20	0.38
Resorcinol	ND	9.8	
2,3,4,6-Tetrachlorophenol	ND	9.8	
4,6-Dinitro-2-methylphenol	ND	20	4.7
	ND	9.8	0.28
N-Nitrosodiphenylamine	ND	9.8	0.44
Azobenzene	ND	9.8	0.30
4-Bromophenyl-phenylether		9.8	0.43
Hexachlorobenzene	ND		1.1
Pentachlorophenol	ND	20	0.45
Phenanthrene	ND	9.8	0.43



	Semivolati	le Organics by GO	C/MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Field ID:	DUP-3-052206	Batch#:	113865
Lab ID:	187024-016	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:		Analyzed:	06/03/06

Analyte	Result	RL	MDL
Anthracene	ND	9.8	0.47
Di-n-butylphthalate	ND	9.8	0.29
Fluoranthene	ND	9.8	0.40
Pyrene	ND	9.8	0.63
Butylbenzylphthalate	ND	9.8	0.29
3,3'-Dichlorobenzidine	ND	20	0.42
Benzo(a)anthracene	ND	9.8	0.42
Chrysene	ND	9.8	0.51
bis(2-Ethylhexyl)phthalate	ND	9.8	0.89
Di-n-octylphthalate	ND	9.8	0.35
Benzo(b) fluoranthene	ND	9.8	0.51
Benzo(k) fluoranthene	ND	9.8	0.73
Benzo(a)pyrene	ND	9.8	0.47
Indeno(1,2,3-cd)pyrene	ND	9.8	0.47
Dibenz(a,h)anthracene	ND	9.8	0.36
Benzo(g,h,i)perylene	ND	9.8	0.40

Surrogate	%REC	Limits	
2-Fluorophenol	84	36-120	
Phenol-d5	83	32-120	
2,4,6-Tribromophenol	86	37-120	·
Nitrobenzene-d5	82	48-120	
2-Fluorobiphenyl	8.9	49-120	
Terphenyl-d14	94	22-120	



Batch QC Report

	Semivolatile	e Organics by G	IC/MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Type: Lab ID:	BLANK	Diln Fac:	1.000
Lab ID:	QC341729	Batch#:	113865
Matrix:	Water	Prepared:	05/26/06
Units:	ug/L	Analyzed:	05/31/06

Analyte	Result	RL	MDL
N-Nitrosodimethylamine	ND	10	0.50
Phenol	ND	10	0.81
bis(2-Chloroethyl)ether	ND	10	0.47
2-Chlorophenol	ND	10	0.85
1,3-Dichlorobenzene	ND	10	0.29
1,4-Dichlorobenzene	ND	10	0.31
Benzyl alcohol	ND	10	0.37
1,2-Dichlorobenzene	ND	10	0.33
2-Methylphenol	ND	10	0.79
bis(2-Chloroisopropyl) ether	ND	10	0.38
4-Methylphenol	ND	10	0.81
	ND ND	10	0.42
N-Nitroso-di-n-propylamine Hexachloroethane	ND	10	0.42
	ND ND	10	0.34
Nitrobenzene			0.38
Isophorone	ND	10 20	
2-Nitrophenol	ND		1.4
2,4-Dimethylphenol	ND	10	0.79
Benzoic acid	ND	50	13
bis(2-Chloroethoxy)methane	ND	10	0.44
2,4-Dichlorophenol	ND	10	0.78
1,2,4-Trichlorobenzene	ND	10	0.36
Naphthalene	ND	10	0.26
4-Chloroaniline	ND	10	0.85
Hexachlorobutadiene	ND	10	0.45
4-Chloro-3-methylphenol	ND	10	0.98
2-Methylnaphthalene	ND	10	0.39
Hexachlorocyclopentadiene	ND	20	1.5
2,4,6-Trichlorophenol	ND	10	0.84
2,4,5-Trichlorophenol	ND	10	1.2
2-Chloronaphthalene	ND	10	0.30
2-Nitroaniline	ND	20	0.47
Dimethylphthalate	ND	10	0.45
Acenaphthylene	ND	10	0.29
2,6-Dinitrotoluene	ND	10	0.67
3-Nitroaniline	ND	20	0.43
Acenaphthene	ND	10	0.32
2,4-Dinitrophenol	ND	20	2.9
4-Nitrophenol	ND	20	2.8
Dibenzofuran	ND	10	0.40
2,4-Dinitrotoluene	ND	10	0.44
Diethylphthalate	ND ND	10	0.47
Fluorene	ND	10	0.41
4-Chlorophenyl-phenylether	ND ND	10	0.43
4-Chiorophenyi-phenyiether 4-Nitroaniline	ND ND	20	0.48
	ND ND	10	0.40
Resorcinol		10	
2,3,4,6-Tetrachlorophenol	ND ND	20	4.5
4,6-Dinitro-2-methylphenol	ND		0.32
N-Nitrosodiphenylamine	ND	10	
Azobenzene	ND	10	0.41
4-Bromophenyl-phenylether	ND	10	0.37
Hexachlorobenzene	ND	10	0.26
Pentachlorophenol	ND	20	1.2
Phenanthrene	ND	10	0.39

ND= Not Detected RL= Reporting Limit MDL= Method Detection Limit

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Batch QC Report

	Semivolatil	e Organics by G	IC/MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
	BLANK	Diln Fac:	1.000
Type: Lab ID:	OC341729	Batch#:	113865
Matrix:	Water	Prepared:	05/26/06
Units:	uq/L	Analyzed:	05/31/06

Analyte	Result	RL	MDL
Anthracene	ND	10	0.37
Di-n-butylphthalate	ND	10	0.44
Fluoranthene	ND	10	0.37
Pyrene	ND	10	0.34
Butylbenzylphthalate	ND	10	0.43
3,3'-Dichlorobenzidine	ND	20	0.56
Benzo(a)anthracene	ND	10	0.34
Chrysene	ND	10	0.35
bis(2-Ethylhexyl)phthalate	ND	10	0.67
Di-n-octylphthalate	ND	10	0.37
Benzo(b) fluoranthene	ND	10	0.41
Benzo(k) fluoranthene	ND	10	0.44
Benzo(a)pyrene	ND	10	0.34
Indeno(1,2,3-cd)pyrene	ND	10	0.44
Dibenz(a,h)anthracene	ND	10	0.53
Benzo(q,h,i)perylene	ND	10	0.41

		- 1
Surrogate	*KEC	Limits
2-Fluorophenol	82	36-120
Phenol-d5	86	32-120
2,4,6-Tribromophenol	89	37-120
Nitrobenzene-d5	80	48-120
2-Fluorobiphenyl	93	49-120
Terphenyl-d14	113	22-120



Batch QC Report

	Semivolat	ile Organics by GC	/MS
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8270C
Matrix:	Water	Batch#:	113865
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	05/31/06

Type:

BS

Lab ID: QC341730

	-			
Analyte		Result	%REC	QUUQUUQ*******************************
Phenol	100.0	94.31	94	45-120
2-Chlorophenol	100.0	86.84	87	51-120
1,4-Dichlorobenzene	50.00	25.47	51	37-120
N-Nitroso-di-n-propylamine	50.00	34.23	68	42-120
1,2,4-Trichlorobenzene	50.00	34.75	70	44-120
4-Chloro-3-methylphenol	100.0	91.73	92	53-120
Acenaphthene	50.00	44.80	90	53-120
4-Nitrophenol	100.0	88.87	89	49-120
2,4-Dinitrotoluene	50.00	39.61	79	48-120
Pentachlorophenol	100.0	102.6	103	48-120
Pyrene	50.00	42.67	85	47-120

Surrogate	%REC	Limits	
2-Fluorophenol	80	36-120	
Phenol-d5	83	32-120	
2,4,6-Tribromophenol	90	37-120	
Nitrobenzene-d5	74	48-120	
2-Fluorobiphenyl	88	49-120	
Terphenyl-d14	92	22-120	

Type:

BSD

Lab ID:

QC341731

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Phenol	100.0	105.1	105	45-120	11	23
2-Chlorophenol	100.0	96.52	97	51-120	11	20
1,4-Dichlorobenzene	50.00	28.76	58	37-120	12	29
N-Nitroso-di-n-propylamine	50.00	36.44	73	42-120	6	23
1,2,4-Trichlorobenzene	50.00	40.94	82	44-120	16	22
4-Chloro-3-methylphenol	100.0	101.3	101	53-120	10	21
Acenaphthene	50.00	48.45	97	53-120	8	23
4-Nitrophenol	100.0	97.85	98	49-120	10	23
2,4-Dinitrotoluene	50.00	43.14	86	48-120	9	24
Pentachlorophenol	100.0	114.8	115	48-120	11	21
Pyrene	50.00	46.36	93	47-120	8	23

Surrogate	%REC	Limits	
2-Fluorophenol	90	36-120	
Phenol-d5	92	32-120	
2,4,6-Tribromophenol	98	37-120	
Nitrobenzene-d5	82	48-120	
2-Fluorobiphenyl	98	49-120	
Terphenyl-d14	99	22-120	



	Polychlorinat	ed Biphenyl Con	geners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-2.1-052206	Batch#:	113866
Lab ID:	187024-001	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	${ t ug/L}$	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/05/06

Analyte	Result	RL	MDL
BZ# 8	ND	0.050	0.011
BZ# 18	ND	0.050	0.013
BZ# 28	ND	0.050	0.010
BZ# 52	ND	0.050	0.011
BZ# 44	ND	0.050	0.0092
BZ# 66	ND	0.050	0.0086
BZ# 101	ND	0.050	0.010
BZ# 81	ND	0.050	0.0090
BZ# 77	ND .	0.050	0.013
BZ# 123	ND	0.050	0.0083
BZ# 118	ND	0.050	0.0096
BZ# 114	ND	0.050	0.0098
BZ# 153	ND	0.050	0.011
BZ# 105	ND	0.050	0.0085
BZ# 138	ND	0.050	0.010
BZ# 187	ND	0.050	0.0084
BZ# 126	ND	0.050	0.0091
BZ# 128	ND	0.050	0.0085
BZ# 167	ND	0.050	0.0098
BZ# 156	ND	0.050	0.0092
BZ# 157	ND	0.050	0.0085
BZ# 180	ND	0.050	0.0076
BZ# 170	ND	0.050	0.0084
BZ# 169	ND	0.050	0.0088
BZ# 189	ND	0.050	0.0093
BZ# 195	ND	0.050	0.0095
BZ# 206	ND	0.050	0.0093
BZ# 209	ND	0.050	0.0086

Surrogate	%REC	Limits	
TCMX	88	37-140	
BZ# 205	108	37-140	

ND= Not Detected

RL= Reporting Limit



	Polychlorinate	ed Biphenyl Cor	ngeners
	Acton Mickelson Francisco	Location: Prep:	Former GA-Pacific Sawmill
Field ID: Lab ID: Matrix: Jnits: Diln Fac:	MW-2.2-052206 187024-002 Water ug/L 1.000	Analysis: Batch#: Sampled: Received: Prepared: Analyzed:	EPA 3520C EPA 8082 113866 05/22/06 05/23/06 05/26/06

Analyte	Result		
BZ# 8 BZ# 18	ND	RL	MDL
BZ# 18	ND	0.049	0.010
BZ# 52	ND	0.049	0.013
BZ# 44	ND	0.049	0.010
BZ# 66	ND	0.049	0.010
BZ# 101	ND	0.049	0.0090
BZ# 101 BZ# 81	ND	0.049	0.0084
1	ND	0.049	0.0097
BZ# 77 BZ# 123	ND	0.049	0.0087
BZ# 123 BZ# 118	ND	0.049	0.012
BZ# 118 BZ# 114	ND	0.049	0.0080
BZ# 114 BZ# 153	ND	0.049	0.0093
BZ# 105	ND	0.049	0.0095
BZ# 105 BZ# 138	ND	0.049	0.011
	ND	0.049	0.0082
BZ# 187	ND	0.049	0.0098
BZ# 126	ND	0.049	0.0082
BZ# 128 BZ# 167	ND	0.049	0.0089
	ND	0.049	0.0083
BZ# 156	ND	0.049	0.0095
BZ# 157	ND	0.049	0.0090
BZ# 180	ND	0.049	0.0083
BZ# 170	ND	0.049	0.0074
BZ# 169	ND	0.049	0.0081
BZ# 189	ND	0.049	0.0086
BZ# 195	ND	0.049	0.0091
BZ# 206	ND	0.049	0.0093
3Z# 209	ND	0.049	0.0090
Surrogate		0.049	0.0083

Surrogate	%REC	Limits	
TCMX	96	17-140	
BZ# 205	122	37-140	
		37 140	

ND= Not Detected

RL= Reporting Limit

DL= Method Detection Limit

age 1 of 1



	Polychlorinat	ed Biphenyl Con	geners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-2.3-052206	Batch#:	113866
Lab ID:	187024-003	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/05/06

Analyte	Result	RL	MDL
BZ# 8	ND	0.050	0.011
BZ# 18	ND	0.050	0.013
BZ# 28	ND	0.050	0.010
BZ# 52	ND	0.050	0.011
BZ# 44	ND	0.050	0.0092
BZ# 66	ND	0.050	0.0085
BZ# 101	ND	0.050	0.0099
BZ# 81	ND	0.050	0.0089
BZ# 77	ND	0.050	0.013
BZ# 123	ND	0.050	0.0082
BZ# 118	ND	0.050	0.0095
BZ# 114	ND	0.050	0.0097
BZ# 153	ND	0.050	0.011
BZ# 105	ND	0.050	0.0084
BZ# 138	ND	0.050	0.010
BZ# 187	ND	0.050	0.0084
BZ# 126	ND	0.050	0.0090
BZ# 128	ND	0.050	0.0084
BZ# 167	ND	0.050	0.0097
BZ# 156	ND	0.050	0.0092
BZ# 157	ND	0.050	0.0084
BZ# 180	ND	0.050	0.0075
BZ# 170	ND	0.050	0.0083
BZ# 169	ND	0.050	0.0087
BZ# 189	ND	0.050	0.0093
BZ# 195	ND	0.050	0.0094
BZ# 206	ND	0.050	0.0092
BZ# 209	ND	0.050	0.0085

Surrogate	%REC	Limits
TCMX	120	37-140
BZ# 205	111	37-140

ND= Not Detected

RL= Reporting Limit



	Polychlorinat	ed Biphenyl Con	geners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-2.4-052206	Batch#:	113866
Lab ID:	187024-004	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/05/06

	Analyte	Result	RL	MDL
BZ#	8	ND	0.049	0.010
BZ#	18	ND	0.049	0.013
BZ#	28	ND	0.049	0.010
BZ#	52	ND	0.049	0.010
BZ#	44	ND	0.049	0.0090
BZ#	66	ND	0.049	0.0084
BZ#	101	ND	0.049	0.0097
BZ#	81	ND	0.049	0.0087
BZ#	77	ND	0.049	0.012
BZ#	123	ND	0.049	0.0080
BZ#	118	ND	0.049	0.0093
BZ#	114	ND	0.049	0.0095
BZ#	153	ND	0.049	0.011
BZ#	105	ND	0.049	0.0082
BZ#	138	ND	0.049	0.0098
BZ#	187	ND	0.049	0.0082
BZ#	126	ND	0.049	0.0089
BZ#	128	ND	0.049	0.0083
BZ#	167	ND	0.049	0.0095
BZ#	156	ND	0.049	0.0090
BZ#	157	ND	0.049	0.0083
BZ#	180	ND	0.049	0.0074
BZ#	170	ND	0.049	0.0081
BZ#	169	ND	0.049	0.0086
BZ#	189	ND	0.049	0.0091
BZ#	195	ND	0.049	0.0093
BZ#	206	ND	0.049	0.0090
BZ#	209	ND	0.049	0.0083

BZ# 205	113	37-140
TCMX	86	37-140
Surrogate	%REC	Limits

ND= Not Detected

RL= Reporting Limit



	Polychlorinate	ed Biphenyl Con	geners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-2.4-052206	Batch#:	113866
Lab ID:	187024-004	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/05/06

Analyte	Result	RL	MDL
BZ# 8	ND	0.049	0.010
BZ# 18	ND	0.049	0.013
BZ# 28	ND	0.049	0.010
BZ# 52	ND	0.049	0.010
BZ# 44	ND	0.049	0.0090
BZ# 66	ND	0.049	0.0084
BZ# 101	ND	0.049	0.0097
BZ# 81	ND	0.049	0.0087
BZ# 77	ND	0.049	0.012
BZ# 123	ND	0.049	0.0080
BZ# 118	ND	0.049	0.0093
BZ# 114	ND	0.049	0.0095
BZ# 153	ND	0.049	0.011
BZ# 105	ND	0.049	0.0082
BZ# 138	ND	0.049	0.0098
BZ# 187	ND	0.049	0.0082
BZ# 126	ND	0.049	0.0089
BZ# 128	ND	0.049	0.0083
BZ# 167	ND	0.049	0.0095
BZ# 156	ND	0.049	0.0090
BZ# 157	ND	0.049	0.0083
BZ# 180	ND	0.049	0.0074
BZ# 170	ND	0.049	0.0081
BZ# 169	ND	0.049	0.0086
BZ# 189	ND	0.049	0.0091
BZ# 195	ND	0.049	0.0093
BZ# 206	ND	0.049	0.0090
BZ# 209	ND	0.049	0.0083

Surrogate	%REC	Limits
TCMX	86	37-140
BZ# 205	113	37-140

ND= Not Detected

RL= Reporting Limit



	Polychlorinate	ed Biphenyl Con	geners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-2.5-052206	Batch#:	113866
Lab ID:	187024-005	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	${ t ug/L}$	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/06/06

Analyte	Result	RL	MDL
BZ# 8	ND	0.049	0.011
BZ# 18	ND	0.049	0.013
BZ# 28	ND	0.049	0.010
BZ# 52	ND	0.049	0.010
BZ# 44	ND	0.049	0.0091
BZ# 66	ND	0.049	0.0085
BZ# 101	ND	0.049	0.0098
BZ# 81	ND	0.049	0.0088
BZ# 77	ND	0.049	0.012
BZ# 123	ND	0.049	0.0081
BZ# 118	ND	0.049	0.0094
BZ# 114	ND	0.049	0.0096
BZ# 153	ND	0.049	0.011
BZ# 105	ND	0.049	0.0083
BZ# 138	ND	0.049	0.0099
BZ# 187	ND	0.049	0.0083
BZ# 126	ND	0.049	0.0090
BZ# 128	ND	0.049	0.0083
BZ# 167	ND	0.049	0.0096
BZ# 156	ND	0.049	0.0091
BZ# 157	ND	0.049	0.0084
BZ# 180	ND	0.049	0.0075
BZ# 170	ND	0.049	0.0082
BZ# 169	ND	0.049	0.0086
BZ# 189	ND	0.049	0.0092
BZ# 195	ND	0.049	0.0093
BZ# 206	ND	0.049	0.0091
BZ# 209	ND	0.049	0.0084

BZ# 205	116	37-140
TCMX	75	37-140
Surrogate	%REC	Limits

ND= Not Detected

RL= Reporting Limit



	Polychlorinated	Biphenyl Cor	ngeners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-2.6-052206	Batch#:	113866
Lab ID:	187024-006	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	${\tt ug/L}$	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/06/06

Analyte	Result	RL	MDL
BZ# 8	ND	0.048	0.010
BZ# 18	ND	0.048	0.012
BZ# 28	ND	0.048	0.0099
BZ# 52	ND	0.048	0.010
BZ# 44	ND	0.048	0.0088
BZ# 66	ND	0.048	0.0082
BZ# 101	ND	0.048	0.0095
BZ# 81	ND	0.048	0.0086
BZ# 77	ND	0.048	0.012
BZ# 123	ND	0.048	0.0079
BZ# 118	ND	0.048	0.0092
BZ# 114	ND	0.048	0.0093
BZ# 153	ND	0.048	0.011
BZ# 105	ND	0.048	0.0081
BZ# 138	ND	0.048	0.0096
BZ# 187	ND	0.048	0.0080
BZ# 126	ND	0.048	0.0087
BZ# 128	ND	0.048	0.0081
BZ# 167	ND	0.048	0.0094
BZ# 156	ND	0.048	0.0088
BZ# 157	ND	0.048	0.0081
BZ# 180	ND	0.048	0.0073
BZ# 170	ND	0.048	0.0080
BZ# 169	ND	0.048	0.0084
BZ# 189	ND	0.048	0.0089
BZ# 195	ND	0.048	0.0091
BZ# 206	ND	0.048	0.0088
BZ# 209	ND	0.048	0.0082

Surrogate	%REC	Limits	
TCMX	90	37-140	
BZ# 205	110	37-140	

ND= Not Detected

RL= Reporting Limit



	Polychlorinated	Biphenyl Cor	ngeners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-4.1-052206	Batch#:	113866
Lab ID:	187024-007	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/06/06

Analyte	Result	RL	MDL
BZ# 8	ND	0.049	0.011
BZ# 18	ND	0.049	0.013
BZ# 28	ND	0.049	0.010
BZ# 52	ND	0.049	0.010
BZ# 44	ND	0.049	0.0091
BZ# 66	ND	0.049	0.0085
BZ# 101	ND	0.049	0.0098
BZ# 81	ND	0.049	0.0088
BZ# 77	ND	0.049	0.012
BZ# 123	ND	0.049	0.0081
BZ# 118	ND	0.049	0.0094
BZ# 114	ND	0.049	0.0096
BZ# 153	ND	0.049	0.011
BZ# 105	ND	0.049	0.0083
BZ# 138	ND	0.049	0.0099
BZ# 187	ND	0.049	0.0083
BZ# 126	ND	0.049	0.0090
BZ# 128	ND	0.049	0.0083
BZ# 167	ND	0.049	0.0096
BZ# 156	ND	0.049	0.0091
BZ# 157	ND	0.049	0.0084
BZ# 180	ND	0.049	0.0075
BZ# 170	ND	0.049	0.0082
BZ# 169	ND	0.049	0.0086
BZ# 189	ND	0.049	0.0092
BZ# 195	ND	0.049	0.0093
BZ# 206	ND	0.049	0.0091
BZ# 209	ND	0.049	0.0084

Surrogate TCMX	60	37-140
BZ# 205	74	37-140

ND= Not Detected

RL= Reporting Limit



	Polychlorinat	ed Biphenyl Con	igeners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:		Analysis:	EPA 8082
Field ID:	MW-4.2-052206	Batch#:	113866
Lab ID:	187024-008	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/06/06

	Analyte Result	RL	MDL
BZ# 8	ND	0.049	0.011
BZ# 18	ND	0.049	0.013
BZ# 28	ND	0.049	0.010
BZ# 52	ND	0.049	0.010
BZ# 44	ND	0.049	0.0091
BZ# 66	ND	0.049	0.0091
BZ# 101	ND	0.049	0.0098
BZ# 81	ND	0.049	0.0098
BZ# 77	ND	0.049	0.012
BZ# 123	ND	0.049	0.012
BZ# 118	ND	0.049	0.0031
BZ# 114	ND	0.049	0.0094
BZ# 153	ND	0.049	0.0030
BZ# 105	ND	0.049	0.0083
BZ# 138	ND	0.049	0.0099
BZ# 187	ND	0.049	0.0083
BZ# 126	ND	0.049	0.0090
BZ# 128	ND	0.049	0.0083
BZ# 167	ND	0.049	0.0096
BZ# 156	ND	0.049	0.0091
BZ# 157	ND	0.049	0.0084
BZ# 180	ND	0.049	0.0075
BZ# 170	ND	0.049	0.0082
BZ# 169	ND	0.049	0.0086
BZ# 189	ND	0.049	0.0092
BZ# 195	ND	0.049	0.0093
BZ# 206	ND	0.049	0.0091
BZ# 209	ND	0.049	0.0084

Surrogate	%REC	Limits
TCMX	93	37-140
BZ# 205	114	37-140

ND= Not Detected

RL= Reporting Limit

MDL= Method Detection Limit

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	Polychlorinate	ed Biphenyl Cor	igeners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-4.3-052206	Batch#:	113866
Lab ID:	187024-009	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/06/06

Analyte	Result	RL	MDL
BZ# 8	ND	0.049	0.011
BZ# 18	ND	0.049	0.013
BZ# 28	ND	0.049	0.010
BZ# 52	ND	0.049	0.010
BZ# 44	ND	0.049	0.0091
BZ# 66	ND	0.049	0.0085
BZ# 101	ND	0.049	0.0098
BZ# 81	ND	0.049	0.0088
BZ# 77	ND	0.049	0.012
BZ# 123	ND	0.049	0.0081
BZ# 118	ND	0.049	0.0094
BZ# 114	ND	0.049	0.0096
BZ# 153	ND	0.049	0.011
BZ# 105	ND	0.049	0.0083
BZ# 138	ND	0.049	0.0099
BZ# 187	ND	0.049	0.0083
BZ# 126	ND	0.049	0.0090
BZ# 128	ND	0.049	0.0083
BZ# 167	ND	0.049	0.0096
BZ# 156	ND	0.049	0.0091
BZ# 157	ND	0.049	0.0084
BZ# 180	ND	0.049	0.0075
BZ# 170	ND	0.049	0.0082
BZ# 169	ND	0.049	0.0086
BZ# 189	ND	0.049	0.0092
BZ# 195	ND	0.049	0.0093
BZ# 206	ND	0.049	0.0091
BZ# 209	ND	0.049	0.0084

BZ# 205	130	37-140
TCMX	107	37-140
Surrogate	%REC	DIMECS

ND= Not Detected

RL= Reporting Limit



	Polychlorinate	ed Biphenyl Con	geners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-4.4-052206	Batch#:	113866
Lab ID:	187024-010	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/06/06

	Analyte	Result	RL	MDL
BZ#	8	ND	0.049	0.011
BZ#	18	ND	0.049	0.013
BZ#	28	ND	0.049	0.010
BZ#	52	ND	0.049	0.010
BZ#	44	ND	0.049	0.0091
BZ#	66	ND	0.049	0.0085
BZ#	101	ND	0.049	0.0098
BZ#	81	ND	0.049	0.0088
BZ#	77	ND	0.049	0.012
BZ#	123	ND	0.049	0.0081
BZ#	118	ND	0.049	0.0094
BZ#	114	ND	0.049	0.0096
BZ#	153	ND	0.049	0.011
BZ#	105	ND	0.049	0.0083
BZ#	138	ND	0.049	0.0099
BZ#	187	ND	0.049	0.0083
BZ#	126	ND	0.049	0.0090
BZ#	128	ND	0.049	0.0083
BZ#	167	ND	0.049	0.0096
BZ#	156	ND	0.049	0.0091
BZ#	157	ND	0.049	0.0084
BZ#	180	ND	0.049	0.0075
BZ#	170	ND	0.049	0.0082
BZ#	169	ND	0.049	0.0086
BZ#	189	ND	0.049	0.0092
BZ#	195	ND	0.049	0.0093
BZ#	206	ND	0.049	0.0091
BZ#	209	ND	0.049	0.0084

Surrogate	%REC	Limits	
TCMX	76	37-140	
BZ# 205	127	37-140	

ND= Not Detected

RL= Reporting Limit



	Polychlorinate	ed Biphenyl Cor	igeners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-5.6-052206	Batch#:	113866
Lab ID:	187024-011	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	${ t ug/L}$	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/06/06

Analyte	Result	RL	MDL
BZ# 8	ND	0.049	0.011
BZ# 18	ND	0.049	0.013
BZ# 28	ND	0.049	0.010
BZ# 52	ND	0.049	0.010
BZ# 44	ND	0.049	0.0091
BZ# 66	ND	0.049	0.0085
BZ# 101	ND	0.049	0.0098
BZ# 81	ND	0.049	0.0088
BZ# 77	ND	0.049	0.012
BZ# 123	ND	0.049	0.0081
BZ# 118	ND	0.049	0.0094
BZ# 114	ND	0.049	0.0096
BZ# 153	ND	0.049	0.011
BZ# 105	ND	0.049	0.0083
BZ# 138	ND	0.049	0.0099
BZ# 187	ND	0.049	0.0083
BZ# 126	ND	0.049	0.0090
BZ# 128	ND	0.049	0.0083
BZ# 167	ND	0.049	0.0096
BZ# 156	ND	0.049	0.0091
BZ# 157	ND	0.049	0.0084
BZ# 180	ND	0.049	0.0075
BZ# 170	ND	0.049	0.0082
BZ# 169	ND	0.049	0.0086
BZ# 189	ND	0.049	0.0092
BZ# 195	ND	0.049	0.0093
BZ# 206	ND	0.049	0.0091
BZ# 209	ND	0.049	0.0084

	Surrogate	%REC	Limits
ſ	TCMX	77	37-140
	BZ# 205	112	37-140

ND= Not Detected

RL= Reporting Limit



	Polychlorinate	ed Biphenyl Cor	igeners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-5.7-052206	Batch#:	113866
Lab ID:	187024-012	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/06/06

	Analyte	Result	RL	MDL
BZ#	8	ND	0.049	0.011
BZ#	18	ND	0.049	0.013
BZ#	28	ND	0.049	0.010
BZ#	52	ND	0.049	0.010
BZ#	44	ND	0.049	0.0091
BZ#	66	ND	0.049	0.0085
BZ#	101	ND	0.049	0.0098
BZ#	81	ND	0.049	0.0088
BZ#	77	ND	0.049	0.012
BZ#	123	ND	0.049	0.0081
BZ#	118	ND	0.049	0.0094
BZ#	114	ND	0.049	0.0096
BZ#	153	ND	0.049	0.011
BZ#	105	ND	0.049	0.0083
BZ#	138	ND	0.049	0.0099
BZ#	187	ND	0.049	0.0083
BZ#	126	ND	0.049	0.0090
BZ#	128	ND	0.049	0.0083
BZ#	167	ND	0.049	0.0096
BZ#	156	ND	0.049	0.0091
BZ#	157	ND	0.049	0.0084
BZ#	180	ND	0.049	0.0075
BZ#	170	ND	0.049	0.0082
BZ#	169	ND	0.049	0.0086
BZ#	189	ND	0.049	0.0092
BZ#	195	ND	0.049	0.0093
BZ#	206	ND	0.049	0.0091
BZ#	209	ND	0.049	0.0084

	Surrogate	*KBC	Limits
Г	rcmx	86	37-140
1	3Z# 205	115	37-140

ND= Not Detected

RL= Reporting Limit



	Polychlorinate	d Biphenyl Con	geners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-5.8-052206	Batch#:	113866
Lab ID:	187024-013	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/06/06

Analyte	Result	RL	MDL
BZ# 8	ND	0.050	0.011
BZ# 18	ND	0.050	0.013
BZ# 28	ND ND	0.050	0.010
BZ# 52	ND	0.050	0.011
BZ# 44	ND	0.050	0.0092
BZ# 66	ND	0.050	0.0085
BZ# 101	ND	0.050	0.0099
BZ# 81	ND	0.050	0.0089
BZ# 77	ND	0.050	0.013
BZ# 123	ND	0.050	0.0082
BZ# 118	ND	0.050	0.0095
BZ# 114	ND	0.050	0.0097
BZ# 153	ND	0.050	0.011
BZ# 105	ND	0.050	0.0084
BZ# 138	ND	0.050	0.010
BZ# 187	ND	0.050	0.0084
BZ# 126	ND	0.050	0.0090
BZ# 128	ND	0.050	0.0084
BZ# 167	ND	0.050	0.0097
BZ# 156	ND	0.050	0.0092
BZ# 157	ND	0.050	0.0084
BZ# 180	ND	0.050	0.0075
BZ# 170	ND	0.050	0.0083
BZ# 169	ND	0.050	0.0087
BZ# 189	ND	0.050	0.0093
BZ# 195	ND	0.050	0.0094
BZ# 206	ND	0.050	0.0092
BZ# 209	ND	0.050	0.0085

Surrogate	%REC	Limits	
TCMX	88	37-140	1
BZ# 205	120	37-140	

ND= Not Detected

RL= Reporting Limit



	Polychlorin	ated Biphenyl Con	geners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	MW-5.9-052206	Batch#:	113866
Lab ID:	187024-014	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/06/06

Analyte	Res	sult	RL	MDL
BZ# 8	ND		0.049	0.011
BZ# 18	ND		0.049	0.013
BZ# 28	ND		0.049	0.010
BZ# 52	ND		0.049	0.010
BZ# 44	ND		0.049	0.0091
BZ# 66	ND		0.049	0.0085
BZ# 101	ND		0.049	0.0098
BZ# 81	ND		0.049	0.0088
BZ# 77	ND		0.049	0.012
BZ# 123	ND		0.049	0.0081
BZ# 118	ND		0.049	0.0094
BZ# 114	ND		0.049	0.0096
BZ# 153		0.11	0.049	0.011
BZ# 105	ND		0.049	0.0083
BZ# 138		0.12	0.049	0.0099
BZ# 187		0.061	0.049	0.0083
BZ# 126	ND		0.049	0.0090
BZ# 128		0.015 J	0.049	0.0083
BZ# 167	ND		0.049	0.0096
BZ# 156	ND		0.049	0.0091
BZ# 157	ND		0.049	0.0084
BZ# 180		0.20	0.049	0.0075
BZ# 170		0.12	0.049	0.0082
BZ# 169	ND		0.049	0.0086
BZ# 189	ND		0.049	0.0092
BZ# 195		0.022 J	0.049	0.0093
BZ# 206	ND		0.049	0.0091
BZ# 209	ND		0.049	0.0084

Surrogate	%REC	Limits
TCMX	91	37-140
BZ# 205	123	37-140

J= Estimated value

ND= Not Detected

RL= Reporting Limit



Polychlorinated Biphenyl Congeners					
Lab #:	187024	Location:	Former GA-Pacific Sawmill		
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C		
Project#:	16017.01	Analysis:	EPA 8082		
Field ID:	DUP-1-052206	Batch#:	113866		
Lab ID:	187024-015	Sampled:	05/22/06		
Matrix:	Water	Received:	05/23/06		
Units:	ug/L	Prepared:	05/26/06		
Diln Fac:	1.000	Analyzed:	06/06/06		

Analyte	Result	RL	MDL
BZ# 8	ND	0.049	0.010
BZ# 18	ND	0.049	0.013
BZ# 28	ND	0.049	0.010
BZ# 52	ND	0.049	0.010
BZ# 44	ND	0.049	0.0090
BZ# 66	ND	0.049	0.0084
BZ# 101	ND	0.049	0.0097
BZ# 81	ND	0.049	0.0087
BZ# 77	ND	0.049	0.012
BZ# 123	ND	0.049	0.0080
BZ# 118	ND	0.049	0.0093
BZ# 114	ND	0.049	0.0095
BZ# 153	ND	0.049	0.011
BZ# 105	ND	0.049	0.0082
BZ# 138	ND	0.049	0.0098
BZ# 187	ND	0.049	0.0082
BZ# 126	ND	0.049	0.0089
BZ# 128	ND	0.049	0.0083
BZ# 167	ND	0.049	0.0095
BZ# 156	ND	0.049	0.0090
BZ# 157	ND	0.049	0.0083
BZ# 180	ND	0.049	0.0074
BZ# 170	ND	0.049	0.0081
BZ# 169	ND	0.049	0.0086
BZ# 189	ND	0.049	0.0091
BZ# 195	ND	0.049	0.0093
BZ# 206	ND	0.049	0.0090
BZ# 209	ND	0.049	0.0083

BZ# 205	132	37-140		
TCMX	88	37-140		
Surrogate	%REC	Limits		

ND= Not Detected

RL= Reporting Limit



	Polychlorinate	ed Biphenyl Cor	igeners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Field ID:	DUP-3-052206	Batch#:	113866
Lab ID:	187024-016	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/06/06

Cleanup Method: EPA 3665A

	Analyte	Result	RL	MDL
BZ#	8	ND	0.049	0.010
BZ#	18	ND	0.049	0.013
BZ#	28	ND	0.049	0.010
BZ#	52	ND	0.049	0.010
BZ#	44	ND	0.049	0.0090
BZ#	66	ND	0.049	0.0084
BZ#	101	ND	0.049	0.0097
BZ#	81	ND	0.049	0.0087
BZ#	77	ND	0.049	0.012
BZ#	123	ND	0.049	0.0080
BZ#	118	ND	0.049	0.0093
BZ#	114	ND	0.049	0.0095
BZ#	153	ND	0.049	0.011
BZ#	105	ND	0.049	0.0082
BZ#	138	ND	0.049	0.0098
BZ#	187	ND	0.049	0.0082
BZ#	126	ND	0.049	0.0089
BZ#	128	ND	0.049	0.0083
BZ#	167	ND	0.049	0.0095
BZ#	156	ND	0.049	0.0090
BZ#	157	ND	0.049	0.0083
BZ#	180	ND	0.049	0.0074
BZ#	170	ND	0.049	0.0081
BZ#	169	ND	0.049	0.0086
BZ#	189	ND	0.049	0.0091
BZ#	195	ND	0.049	0.0093
BZ#	206	ND	0.049	0.0090
BZ#	209	ND	0.049	0.0083

Surrogate	%REC	Limits	
TCMX	89	37-140	
BZ# 205	105	37-140	

ND= Not Detected

RL= Reporting Limit



	Polychlorinate	ed Biphenyl Cor	igeners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC341734	Batch#:	113866
Matrix:	Water	Prepared:	05/26/06
Units:	ug/L	Analyzed:	06/05/06

Cleanup Method: EPA 3665A

Analyte	Result	RL	MDL
BZ# 8	ND	0.050	0.011
BZ# 18	ND	0.050	0.013
BZ# 28	ND	0.050	0.010
BZ# 52	ND	0.050	0.011
BZ# 44	ND	0.050	0.0092
BZ# 66	ND	0.050	0.0086
BZ# 101	ND	0.050	0.010
BZ# 81	ND	0.050	0.0090
BZ# 77	ND	0.050	0.013
BZ# 123	ND	0.050	0.0083
BZ# 118	ND	0.050	0.0096
BZ# 114	ND	0.050	0.0098
BZ# 153	ND	0.050	0.011
BZ# 105	ND	0.050	0.0085
BZ# 138	ND	0.050	0.010
BZ# 187	ND	0.050	0.0084
BZ# 126	ND	0.050	0.0091
BZ# 128	ND	0.050	0.0085
BZ# 167	ND	0.050	0.0098
BZ# 156	ND	0.050	0.0092
BZ# 157	ND	0.050	0.0085
BZ# 180	ND	0.050	0.0076
BZ# 170	ND	0.050	0.0084
BZ# 169	ND	0.050	0.0088
BZ# 189	ND	0.050	0.0093
BZ# 195	ND	0.050	0.0095
BZ# 206	ND	0.050	0.0093
BZ# 209	ND	0.050	0.0086

BZ# 205	119	37-140
TCMX	73	37-140
Surrogate	%REC	Limits

ND= Not Detected

RL= Reporting Limit



	Polychlorinate	ed Biphenyl Cor	igeners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Matrix:	Water	Batch#:	113866
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/05/06

Type:

BS

Cleanup Method: EPA 3665A

QC341735 Lab ID:

Analyte	Spiked	Result	%REC	Limits
BZ# 8	1.000	1.078	108	50-150
BZ# 18	1.000	1.011	101	50-150
BZ# 28	1.000	1.125	113	50-150
BZ# 52	1.000	1.009	101	50-150
BZ# 44	1.000	1.126	113	50-150
BZ# 66	1.000	1.322	132	50-150
BZ# 101	1.000	1.105	111	50-150
BZ# 81	1.000	1.307	131	50-150
BZ# 77	1.000	1.246	125	50-150
BZ# 123	1.000	1.176	118	50-150
BZ# 118	1.000	1.155	116	50-150
BZ# 114	1.000	1.298	130	50-150
BZ# 153	1.000	1.307	131	50-150
BZ# 105	1.000	1.233	123	50-150
BZ# 138	1.000	1.158	116	50-150
BZ# 187	1.000	1.137	114	50-150
BZ# 126	1.000	1.584	158 *	50-150
BZ# 128	1.000	1.168	117	50-150
BZ# 167	1.000	1.201	120	50-150
BZ# 156	1.000	1.164	116	50-150
BZ# 157	1.000	1.199	120	50-150
BZ# 180	1.000	1.158	116	50-150
BZ# 170	1.000	1.145	114	50-150
BZ# 169	1.000	1.325	132	50-150
BZ# 189	1.000	1.299	130	50-150
BZ# 195	1.000	1.188	119	50-150
BZ# 206	1.000	1.030	103	50-150
BZ# 209	1.000	1.124	112	50-150

RZ# 205		123	37-140
TCMX	Surrogate	GS SKEC	Limits

^{*=} Value outside of QC limits; see narrative

RPD= Relative Percent Difference



	Polychlorinate	ed Biphenyl Cor	igeners
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8082
Matrix:	Water	Batch#:	113866
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	06/05/06

Type:

BSD

Cleanup Method: EPA 3665A

Lab ID:

QC341736

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
BZ# 8	1.000	1.201	120	50-150	11	25
BZ# 18	1.000	1.079	108	50-150	7	25
BZ# 28	1.000	1.209	121	50-150	7	25
BZ# 52	1.000	1.069	107	50-150	6	25
BZ# 44	1.000	1.205	121	50-150	7	25
BZ# 66	1.000	1.394	139	50-150	5	25
BZ# 101	1.000	1.167	117	50-150	5	25
BZ# 81	1.000	1.350	135	50-150	3	25
BZ# 77	1.000	1.024	102	50-150	20	25
BZ# 123	1.000	1.253	125	50-150	6	25
BZ# 118	1.000	1.272	127	50-150	10	25
BZ# 114	1.000	1.410	141	50-150	8	25
BZ# 153	1.000	1.417	142	50-150	8	25
BZ# 105	1.000	1.323	132	50-150	7	25
BZ# 138	1.000	1.236	124	50-150	7	25
BZ# 187	1.000	1.205	120	50-150	6	25
BZ# 126	1.000	1.457	146	50-150	8	25
BZ# 128	1.000	1.244	124	50-150	6	25
BZ# 167	1.000	1.267	127	50-150	5	25
BZ# 156	1.000	1.243	124	50-150	7	25
BZ# 157	1.000	1.312	131	50-150	9	25
BZ# 180	1.000	1.237	124	50-150	7	25
BZ# 170	1.000	1.239	124	50-150	8	25
BZ# 169	1.000	1.414	141	50-150	6	25
BZ# 189	1.000	1.416	142	50-150	9	25
BZ# 195	1.000	1.283	128	50-150	8	25
BZ# 206	1.000	1.096	110	50-150	6	25
BZ# 209	1.000	1.189	119	50-150	6	25

	Surrogate	%REC	Limits
Γ	TCMX	106	37-140
1	BZ# 205	125	37-140

^{*=} Value outside of QC limits; see narrative



	Polynuclear	Aromatics by F	IPLC
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-2.1-052206	Batch#:	113811
Lab ID:	187024-001	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/25/06
Diln Fac:	1.000	Analyzed:	05/26/06

Analyte	Result	RL	MDL
Naphthalene	ND	0.98	0.10
Acenaphthylene	ND	2.0	0.24
Acenaphthene	ND	0.98	0.32
Fluorene	ND	0.20	0.03
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.02
Fluoranthene	ND	0.20	0.01
Pyrene	ND	0.10	0.01
Benzo(a)anthracene	ND	0.10	0.01
Chrysene	ND	0.10	0.009
Benzo(b) fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND	0.10	0.008
Benzo(a)pyrene	ND	0.10	0.02
Dibenz(a,h)anthracene	ND	0.20	0.02
Benzo(g,h,i)perylene	ND	0.20	0.02
Indeno(1,2,3-cd)pyrene	ND	0.10	0.009

Surrogate		%REC	Limits
1-Methylnaphthalene	(VV)	92	65-120
1-Methylnaphthalene	(F)	94	65-120

RL= Reporting Limit



	Polynuclear	Aromatics by H	PLC
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-2.2-052206	Batch#:	113811
Lab ID:	187024-002	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/25/06
Diln Fac:	1.000	Analyzed:	05/26/06

Analyte	Result	RL	MDL
Naphthalene	ND	0.99	0.10
Acenaphthylene	ND	2.0	0.24
Acenaphthene	ND	0.99	0.33
Fluorene	ND	0.20	0.03
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.02
Fluoranthene	ND	0.20	0.01
Pyrene	ND	0.10	0.01
Benzo(a) anthracene	ND	0.10	0.01
Chrysene	ND	0.10	0.009
Benzo(b) fluoranthene	ND	0.20	0.01
Benzo(k) fluoranthene	ND	0.10	0.008
Benzo(a)pyrene	ND	0.10	0.02
Dibenz(a,h)anthracene	ND	0.20	0.02
Benzo(g,h,i)perylene	ND	0.20	0.02
Indeno(1,2,3-cd)pyrene	ND	0.10	0.009

Surrogate		%REC	Limits	
1-Methylnaphthalene	(UV)	89	65-120	
1-Methylnaphthalene	(F)	91	65-120	

RL= Reporting Limit



	Polynuclear	Aromatics by F	IPLC
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-2.3-052206	Batch#:	113811
Lab ID:	187024-003	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/25/06
Diln Fac:	1.000	Analyzed:	05/26/06

Analyte	Result	RL	MDL
Naphthalene	ND	0.94	0.09
Acenaphthylene	ND	1.9	0.23
Acenaphthene	ND	0.94	0.31
Fluorene	ND	0.19	0.03
Phenanthrene	ND	0.09	0.007
Anthracene	ND	0.09	0.02
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.09	0.01
Benzo(a)anthracene	ND	0.09	0.01
Chrysene	ND	0.09	0.009
Benzo(b)fluoranthene	ND	0.19	0.01
Benzo(k)fluoranthene	ND	0.09	0.008
Benzo(a)pyrene	ND	0.09	0.02
Dibenz(a,h)anthracene	ND	0.19	0.02
Benzo(g,h,i)perylene	ND	0.19	0.02
Indeno(1,2,3-cd)pyrene	ND	0.09	0.009

Surrogate		%REC	Limits
1-Methylnaphthalene	(UV)	90	65-120
1-Methylnaphthalene	(F)	92	65-120

RL= Reporting Limit



Polynuclear Aromatics by HPLC						
Lab #:	187024	Location:	Former GA-Pacific Sawmill			
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C			
Project#:	16017.01	Analysis:	EPA 8310			
Field ID:	MW-2.4-052206	Batch#:	113811			
Lab ID:	187024-004	Sampled:	05/22/06			
Matrix:	Water	Received:	05/23/06			
Units:	ug/L	Prepared:	05/25/06			
Diln Fac:	1.000	Analyzed:	05/27/06			

Analyte	Result	RL	MDL
Naphthalene	ND	1.0	0.10
Acenaphthylene	ND	2.0	0.24
Acenaphthene	ND	1.0	0.33
Fluorene	ND	0.20	0.03
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.02
Fluoranthene	ND	0.20	0.01
Pyrene	ND	0.10	0.01
Benzo(a)anthracene	ND	0.10	0.01
Chrysene	ND	0.10	0.01
Benzo(b)fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND	0.10	0.008
Benzo(a)pyrene	ND	0.10	0.02
Dibenz(a,h)anthracene	ND	0.20	0.03
Benzo(g,h,i)perylene	ND	0.20	0.02
Indeno(1,2,3-cd)pyrene	ND	0.10	0.01

Surrogate		%REC	Limits
1-Methylnaphthalene	(UV)	89	65-120
1-Methylnaphthalene	(F)	90	65-120

RL= Reporting Limit



	Polynuclear	Aromatics by F	IPLC
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-2.5-052206	Batch#:	113811
Lab ID:	187024-005	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/25/06
Diln Fac:	1.000	Analyzed:	05/27/06

Analyte	Result	RL	MDL
Naphthalene	ND	0.99	0.10
Acenaphthylene	ND	2.0	0.24
Acenaphthene	ND	0.99	0.33
Fluorene	ND	0.20	0.03
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.02
Fluoranthene	ND	0.20	0.01
Pyrene	ND	0.10	0.01
Benzo(a)anthracene	ND	0.10	0.01
Chrysene	ND	0.10	0.009
Benzo(b)fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND	0.10	0.008
Benzo(a)pyrene	ND	0.10	0.02
Dibenz(a,h)anthracene	ND	0.20	0.02
Benzo(g,h,i)perylene	ND	0.20	0.02
Indeno(1,2,3-cd)pyrene	ND	0.10	0.009

Surrogate		%REC	Limits
1-Methylnaphthalene	(UV)	94	65-120
1-Methylnaphthalene	(F)	96	65-120

RL= Reporting Limit



	Polynuclear	Aromatics by F	IPLC
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-2.6-052206	Batch#:	113811
Lab ID:	187024-006	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/25/06
Diln Fac:	1.000	Analyzed:	05/27/06

Analyte	Result	RL	MDL
Naphthalene	ND	0.97	0.09
Acenaphthylene	ND	1.9	0.24
Acenaphthene	ND	0.97	0.32
Fluorene	ND	0.19	0.03
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.02
Fluoranthene	ND	0.19	0.01
Pyrene	ND	0.10	0.01
Benzo(a)anthracene	ND	0.10	0.01
Chrysene	ND	0.10	0.009
Benzo(b) fluoranthene	ND	0.19	0.01
Benzo(k)fluoranthene	ND	0.10	0.008
Benzo(a)pyrene	ND	0.10	0.02
Dibenz(a,h)anthracene	ND	0.19	0.02
Benzo(g,h,i)perylene	ND	0.19	0.02
Indeno(1,2,3-cd)pyrene	ND	0.10	0.009

Surrogate			Limits
1-Methylnaphthalene	(VU)	85	65-120
1-Methylnaphthalene	(F)	87	65-120

RL= Reporting Limit



	Polynuclear	Aromatics by H	IPLC
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-4.1-052206	Batch#:	113811
Lab ID:	187024-007	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/25/06
Diln Fac:	1.000	Analyzed:	05/27/06

Analyte	Result	RL	MDL
Naphthalene	ND	0.98	0.10
Acenaphthylene	ND	2.0	0.24
Acenaphthene	ND	0.98	0.32
Fluorene	ND	0.20	0.03
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.02
Fluoranthene	ND	0.20	0.01
Pyrene	ND	0.10	0.01
Benzo(a)anthracene	ND	0.10	0.01
Chrysene	ND	0.10	0.009
Benzo(b) fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND.	0.10	0.008
Benzo(a)pyrene	ND	0.10	0.02
Dibenz(a,h)anthracene	ND	0.20	0.02
Benzo(g,h,i)perylene	ND	0.20	0.02
Indeno(1,2,3-cd)pyrene	ND	0.10	0.009

Surrogate		%REC	Limits
1-Methylnaphthalene	(UV)	85	65-120
1-Methylnaphthalene	(F)	86	65-120

RL= Reporting Limit



	Polynuclear	Aromatics by F	IPLC
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-4.2-052206	Batch#:	113811
Lab ID:	187024-008	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/25/06
Diln Fac:	1.000	Analyzed:	05/27/06

Analyte	Result	RL	MDL
Naphthalene	ND	0.98	0.10
Acenaphthylene	ND	2.0	0.24
Acenaphthene	ND	0.98	0.32
Fluorene	ND	0.20	0.03
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.02
Fluoranthene	ND	0.20	0.01
Pyrene	ND	0.10	0.01
Benzo(a)anthracene	ND	0.10	0.01
Chrysene	ND	0.10	0.009
Benzo(b) fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND	0.10	0.008
Benzo(a)pyrene	ND	0.10	0.02
Dibenz(a,h)anthracene	ND	0.20	0.02
Benzo(g,h,i)perylene	ND	0.20	0.02
Indeno(1,2,3-cd)pyrene	ND	0.10	0.009

1-Methylnaphthalene	(F)	85	65-120
1-Methylnaphthalene	(UV)	84	65-120
Surrogate		%REC	Limits



	Polynuclear	Aromatics by H	IPLC
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-4.3-052206	Batch#:	113811
Lab ID:	187024-009	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/25/06
Diln Fac:	1.000	Analyzed:	05/27/06

Analyte	Result	RL	MDL
Naphthalene	ND	0.98	0.10
Acenaphthylene	ND	2.0	0.24
Acenaphthene	ND	0.98	0.32
Fluorene	ND	0.20	0.03
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.02
Fluoranthene	ND	0.20	0.01
Pyrene	ND	0.10	0.01
Benzo(a)anthracene	ND	0.10	0.01
Chrysene	ND	0.10	0.009
Benzo(b) fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND	0.10	0.008
Benzo(a)pyrene	ND	0.10	0.02
Dibenz(a,h)anthracene	ND	0.20	0.02
Benzo(g,h,i)perylene	ND	0.20	0.02
Indeno(1,2,3-cd)pyrene	ND	0.10	0.009

Surrogate		%REC	Limits
1-Methylnaphthalene	(UV)	88	65-120
1-Methylnaphthalene	(F)	89	65-120



	Polynuclear	Aromatics by F	IPLC
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-4.4-052206	Batch#:	113811
Lab ID:	187024-010	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	${ t ug/L}$	Prepared:	05/25/06
Diln Fac:	1.000	Analyzed:	05/27/06

Analyte	Result	RL	MDL
Naphthalene	ND	0.99	0.10
Acenaphthylene	ND	2.0	0.24
Acenaphthene	ND	0.99	0.33
Fluorene	ND	0.20	0.03
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.02
Fluoranthene	ND	0.20	0.01
Pyrene	ND	0.10	0.01
Benzo(a)anthracene	ND	0.10	0.01
Chrysene	ND	0.10	0.009
Benzo(b)fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND	0.10	0.008
Benzo(a)pyrene	ND	0.10	0.02
Dibenz(a,h)anthracene	ND	0.20	0.02
Benzo(g,h,i)perylene	ND	0.20	0.02
Indeno(1,2,3-cd)pyrene	ND	0.10	0.009

Surrogate		%REC	Limits
1-Methylnaphthalene	(VU)	86	65-120
1-Methylnaphthalene	(F)	88	65-120



	Polynuclear	Aromatics by F	IPLC
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-5.6-052206	Batch#:	113811
Lab ID:	187024-011	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/25/06
Diln Fac:	1.000	Analyzed:	05/27/06

Analyte	Result	RL	MDL
Naphthalene	ND	1.0	0.10
Acenaphthylene	ND	2.0	0.24
Acenaphthene	ND	1.0	0.33
Fluorene	ND	0.20	0.03
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.02
Fluoranthene	ND	0.20	0.01
Pyrene	ND	0.10	0.01
Benzo(a)anthracene	ND	0.10	0.01
Chrysene	ND	0.10	0.01
Benzo(b)fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND	0.10	0.008
Benzo(a)pyrene	ND	0.10	0.02
Dibenz(a,h)anthracene	ND	0.20	0.03
Benzo(g,h,i)perylene	ND	0.20	0.02
Indeno(1,2,3-cd)pyrene	ND	0.10	0.01

Surrogate		%REC	Limits
1-Methylnaphthalene	(VV)	87	65-120
1-Methylnaphthalene	(F)	87	65-120



	Polynuclear	Aromatics by F	IPLC
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-5.7-052206	Batch#:	113811
Lab ID:	187024-012	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	${ t ug/L}$	Prepared:	05/25/06
Diln Fac:	1.000	Analyzed:	05/27/06

Analyte	Result	RL	MDL
Naphthalene	ND	0.99	0.10
Acenaphthylene	ND	2.0	0.24
Acenaphthene	ND	0.99	0.33
Fluorene	ND	0.20	0.03
Phenanthrene	0.04 J	0.10	0.008
Anthracene	ND	0.10	0.02
Fluoranthene	0.05 J	0.20	0.01
Pyrene	0.01 J	0.10	0.01
Benzo(a) anthracene	ND	0.10	0.01
Chrysene	ND	0.10	0.009
Benzo(b) fluoranthene	ND	0.20	0.01
Benzo(k) fluoranthene	ND	0.10	0.008
Benzo(a)pyrene	ND	0.10	0.02
Dibenz(a,h)anthracene	ND	0.20	0.02
Benzo(g,h,i)perylene	ND	0.20	0.02
Indeno(1,2,3-cd)pyrene	ND	0.10	0.009

Surrogate		%REC	Limits
1-Methylnaphthalene	(VV)	86	65-120
1-Methylnaphthalene	(F)	86	65-120

J= Estimated value

ND= Not Detected

RL= Reporting Limit



	Polynuclear	Aromatics by F	IPLC
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-5.8-052206	Batch#:	113811
Lab ID:	187024-013	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	${ t ug/L}$	Prepared:	05/25/06
Diln Fac:	1.000	Analyzed:	05/27/06

Analyte	Result	RL	MDL
Naphthalene	ND	1.1	0.10
Acenaphthylene	ND	2.1	0.26
Acenaphthene	ND	1.1	0.35
Fluorene	ND	0.21	0.03
Phenanthrene	ND	0.11	0.008
Anthracene	ND	0.11	0.02
Fluoranthene	ND	0.21	0.01
Pyrene	ND	0.11	0.01
Benzo(a)anthracene	ND	0.11	0.01
Chrysene	ND	0.11	0.01
Benzo(b)fluoranthene	ND	0.21	0.01
Benzo(k)fluoranthene	ND	0.11	0.008
Benzo(a)pyrene	ND	0.11	0.03
Dibenz(a,h)anthracene	ND	0.21	0.03
Benzo(g,h,i)perylene	ND	0.21	0.02
Indeno(1,2,3-cd)pyrene	ND	0.11	0.01

Surrogate		%REC	Limits
1-Methylnaphthalene	(VV)	84	65-120
1-Methylnaphthalene	(F)	84	65-120

RL= Reporting Limit



	Polynuclear	Aromatics by F	IPLC
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	MW-5.9-052206	Batch#:	113811
Lab ID:	187024-014	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/25/06
Diln Fac:	1.000	Analyzed:	05/27/06

Analyte	Result	RL	MDL
Naphthalene	ND	0.99	0.10
Acenaphthylene	ND	2.0	0.24
Acenaphthene	ND	0.99	0.33
Fluorene	ND	0.20	0.03
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.02
Fluoranthene	ND	0.20	0.01
Pyrene	ND	0.10	0.01
Benzo(a) anthracene	ND	0.10	0.01
Chrysene	ND	0.10	0.009
Benzo(b) fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND	0.10	0.008
Benzo(a)pyrene	ND	0.10	0.02
Dibenz(a,h)anthracene	ND	0.20	0.02
Benzo(g,h,i)perylene	ND	0.20	0.02
Indeno(1,2,3-cd)pyrene	ND	0.10	0.009

1-Methylnaphthalene	(UV)	85	65-120
1-Methylnaphthalene	(F)	85	65-120



	Polynuclear	Aromatics by F	· PLC
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	DUP-1-052206	Batch#:	113811
Lab ID:	187024-015	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/25/06
Diln Fac:	1.000	Analyzed:	05/27/06

Analyte	Result	RL	MDL
Naphthalene	ND	0.99	0.10
Acenaphthylene	ND	2.0	0.24
Acenaphthene	ND	0.99	0.33
Fluorene	ND	0.20	0.03
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.02
Fluoranthene	ND ·	0.20	0.01
Pyrene	ND	0.10	0.01
Benzo(a)anthracene	ND	0.10	0.01
Chrysene	ND	0.10	0.009
Benzo(b) fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND	0.10	0.008
Benzo(a)pyrene	ND	0.10	0.02
Dibenz(a,h)anthracene	ND	0.20	0.02
Benzo(g,h,i)perylene	ND	0.20	0.02
Indeno(1,2,3-cd)pyrene	ND	0.10	0.009

L			
1-Methylnaphthalene	(F)	89	65-120
1-Methylnaphthalene	(UV)	88	65-120
Surrogate		%REC	Limits



	Polynuclear	Aromatics by H	IPLC
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Field ID:	DUP-3-052206	Batch#:	113811
Lab ID:	187024-016	Sampled:	05/22/06
Matrix:	Water	Received:	05/23/06
Units:	ug/L	Prepared:	05/25/06
Diln Fac:	<u> </u>	Analyzed:	05/27/06

Analyte	Result	RL	MDL
Naphthalene	ND	0.98	0.10
Acenaphthylene	ND	2.0	0.24
Acenaphthene	ND	0.98	0.32
Fluorene	ND	0.20	0.03
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.02
Fluoranthene	ND	0.20	0.01
Pyrene	ND	0.10	0.01
Benzo(a)anthracene	ND	0.10	0.01
Chrysene	ND	0.10	0.009
Benzo(b)fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND	0.10	0.008
Benzo(a)pyrene	ND	0.10	0.02
Dibenz(a,h)anthracene	ND	0.20	0.02
Benzo(g,h,i)perylene	ND	0.20	0.02
Indeno(1,2,3-cd)pyrene	ND	0.10	0.009

1-Methylnaphthalene	(F)	83	65-120
1-Methylnaphthalene	(UV)	82	65-120
Surrogate		%REC	Limits



	Polynuclear	Aromatics by H	IPLC
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC341525	Batch#:	113811
Matrix:	Water	Prepared:	05/25/06
Units:	ug/L	Analyzed:	05/26/06

Analyte	Result	RL	MDL
Naphthalene	ND	1.0	0.10
Acenaphthylene	ND	2.0	0.24
Acenaphthene	ND	1.0	0.33
Fluorene	ND	0.20	0.03
Phenanthrene	ND	0.10	0.008
Anthracene	ND	0.10	0.02
Fluoranthene	ND	0.20	0.01
Pyrene	ND	0.10	0.01
Benzo(a)anthracene	ND	0.10	0.01
Chrysene	ND	0.10	0.01
Benzo(b) fluoranthene	ND	0.20	0.01
Benzo(k)fluoranthene	ND	0.10	0.008
Benzo(a)pyrene	ND	0.10	0.02
Dibenz(a,h)anthracene	ND	0.20	0.03
Benzo(g,h,i)perylene	ND	0.20	0.02
Indeno(1,2,3-cd)pyrene	ND	0.10	0.01

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1-Methylnaphthalene	(F)	99	65-120
1-Methylnaphthalene	(UV)	95	65-120
Surrogate		%REC	Limits

ND= Not Detected RL= Reporting Limit



	Polynuclear	Aromatics by H	IPLC
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	EPA 3520C
Project#:	16017.01	Analysis:	EPA 8310
Matrix:	Water	Batch#:	113811
Units:	ug/L	Prepared:	05/25/06
Diln Fac:	1.000	Analyzed:	05/26/06

Type:

BS

Lab ID: QC341526

Analyte	Spiked	Result	%REC	Limits
Naphthalene	10.00	9.437	94	69-120
Acenaphthylene	20.00	18.95	95	72-120
Acenaphthene	10.00	9.479	95	67-124
Fluorene	2.000	1.913	96	70-120
Phenanthrene	1.000	0.9730	97	72-120
Anthracene	1.000	0.9568	96	71-120
Benzo(k)fluoranthene	1.000	0.9749	97	78-120
Indeno(1,2,3-cd)pyrene	1.000	0.9984	100	75-122

	Surrogate		%RE	C Limits	
ſ	1-Methylnaphthalene	(UV)	94	65-120	
ı	1-Methylnaphthalene	(F)	98	65-120	

Type:

BSD

Lab ID:

QC341527

Analyte	Spiked	Result	%RE	C Limits	RPI) Lim
Naphthalene	10.00	9.253	93	69-120	2	21
Acenaphthylene	20.00	18.57	93	72-120	2	21
Acenaphthene	10.00	9.339	93	67-124	1	28
Fluorene	2.000	1.880	94	70-120	2	23
Phenanthrene	1.000	0.9547	95	72-120	2	20
Anthracene	1.000	0.9372	94	71-120	2	20
Benzo(k) fluoranthene	1.000	0.9667	97	78-120	1	20
Indeno(1,2,3-cd)pyrene	1.000	0.9852	99	75-122	1	20

Surrogate		%REC	Limits
1-Methylnaphthalene	(UV)	94	65-120
1-Methylnaphthalene	(F)	97	65-120



Dissolved California Title 26 Metals Lab #: 187024 16017.01 Project#: Former GA-Pacific Sawmill Client: Acton Mickelson Environmental Location: Diln Fac: Field ID: 1.000 MW-2.1-052206 Sampled: 05/22/06 Lab ID: 187024-001 Matrix: Filtrate Received: 05/23/06 Units: ug/L

Analyte	Result	RL	Batch# Prepared Analyzed Prep Analysis
Antimony	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Arsenic	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Barium	9.9	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Beryllium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Cadmium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Chromium	1.4	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Cobalt	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Copper	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Lead	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Mercury	ND	0.20	114111 06/05/06 06/05/06 METHOD EPA 7470A
Molybdenum	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Nickel	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Selenium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Silver	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Thallium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Vanadium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Zinc	6.5	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020



Dissolved California Title 26 Metals 16017.01 Lab #: 187024 Project#: Former GA-Pacific Sawmill Client: Acton Mickelson Environmental Location: Diln Fac: 1.000 Field ID: MW-2.2-052206 05/22/06 Sampled: Lab ID: 187024-002 Received: 05/23/06 Matrix: Filtrate Units: ug/L

Analyte	Result	RL	Batch# Prepared Analyzed Prep Analysis
Antimony	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Arsenic	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Barium	24	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Beryllium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Cadmium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Chromium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Cobalt	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Copper	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Lead	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Mercury	ND	0.20	114111 06/05/06 06/05/06 METHOD EPA 7470A
Molybdenum	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Nickel	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Selenium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Silver	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Thallium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Vanadium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Zinc	1.4	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020



Dissolved California Title 26 Metals Lab #: 187024 16017.01 Project#: Former GA-Pacific Sawmill Client: Acton Mickelson Environmental Location: Diln Fac: 1.000 Field ID: MW-2.3-052206 05/22/06 Lab ID: 187024-003 Sampled: Received: 05/23/06 Matrix: Filtrate Units: ug/L

Analyte	Result	RL	Batch# Prepared Analyzed Prep Analysis
Antimony	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Arsenic	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Barium	14	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Beryllium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Cadmium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Chromium	1.1	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Cobalt	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Copper	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Lead	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Mercury	ND	0.20	114111 06/05/06 06/05/06 METHOD EPA 7470A
Molybdenum	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Nickel	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Selenium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Silver	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Thallium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Vanadium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Zinc	1.3	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020



Dissolved California Title 26 Metals 16017.01 Lab #: 187024 Project#: Former GA-Pacific Sawmill Location: Client: Acton Mickelson Environmental Diln Fac: 1.000 Field ID: MW-2.4-052206 05/22/06 Sampled: Lab ID: 187024-004 Received: 05/23/06 Matrix: Filtrate Units: ug/L

Analyte	Result	RL	Batch# Prepared Analyzed Prep Analysis
Antimony	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Arsenic	4.4	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Barium	25	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Beryllium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Cadmium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Chromium	1.1	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Cobalt	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Copper	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Lead	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Mercury	ND	0.20	114111 06/05/06 06/05/06 METHOD EPA 7470A
Molybdenum	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Nickel	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Selenium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Silver	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Thallium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Vanadium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Zinc	4.2	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020



Dissolved California Title 26 Metals 16017.01 Lab #: 187024 Project#: Location: Former GA-Pacific Sawmill Client: Acton Mickelson Environmental Diln Fac: 1.000 Field ID: MW-2.5-052206 05/22/06 Sampled: 187024-005 Lab ID: Received: 05/23/06 Matrix: Filtrate Units: ug/L

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	113832	05/26/06	05/31/06	200.8	EPA 6020
Arsenic	ND	1.0	113832	05/26/06	05/31/06	200.8	EPA 6020
Barium	18	1.0	113832	05/26/06	05/31/06	200.8	EPA 6020
Beryllium	ND	1.0	113832	05/26/06	05/31/06	200.8	EPA 6020
Cadmium	ND	1.0	113832	05/26/06	05/31/06	200.8	EPA 6020
Chromium	ND	1.0	113832	05/26/06	05/31/06	200.8	EPA 6020
Cobalt	ND	1.0	113832	05/26/06	05/31/06	200.8	EPA 6020
Copper	ND	1.0	113832	05/26/06	05/31/06	200.8	EPA 6020
Lead	ND	1.0	113832	05/26/06	05/31/06	200.8	EPA 6020
Mercury	ND	0.20	114111	06/05/06	06/05/06	METHOD	EPA 7470A
Molybdenum	ND	1.0	113832	05/26/06	05/31/06	200.8	EPA 6020
Nickel	ND	1.0	113832	05/26/06	05/31/06	200.8	EPA 6020
Selenium	ND	1.0	113832	05/26/06	05/31/06	200.8	EPA 6020
Silver	ND	1.0	113832	05/26/06	05/31/06	200.8	EPA 6020
Thallium	ND	1.0	113832	05/26/06	05/31/06	200.8	EPA 6020
Vanadium	1.0	1.0	113832	05/26/06	05/31/06	200.8	EPA 6020
Zinc	2.0	1.0	113832	05/26/06	05/31/06	200.8	EPA 6020



Dissolved California Title 26 Metals Project#: 16017.01 Lab #: 187024 Location: Former GA-Pacific Sawmill Client: Acton Mickelson Environmental Diln Fac: 1.000 Field ID: MW-2.6-052206 05/22/06 Sampled: Lab ID: 187024-006 Received: 05/23/06 Matrix: Filtrate Units: ug/L

Analyte	Result	RL	Batch# Prepared Analyzed Prep Analysis
Antimony	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Arsenic	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Barium	20	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Beryllium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Cadmium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Chromium	2.0	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Cobalt	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Copper	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Lead	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Mercury	ND	0.20	114111 06/05/06 06/05/06 METHOD EPA 7470A
Molybdenum	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Nickel	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Selenium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Silver	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Thallium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Vanadium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Zinc	3.3	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020



Dissolved California Title 26 Metals 16017.01 Project#: Lab #: 187024 Former GA-Pacific Sawmill Location: Client: Acton Mickelson Environmental ug/L Units: Field ID: MW-4.1-052206 05/22/06 Sampled: Lab ID: 187024-007 Received: 05/23/06 Filtrate Matrix:

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Arsenic	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Barium	3,300	5.0	20.00	113832	05/26/06	06/01/06	200.8	EPA 6020
Beryllium	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Cadmium	ND	1.0	1.000	113832	05/26/06	06/01/06	200.8	EPA 6020
Chromium	1.5	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Cobalt	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Copper	1.4	1.0	1.000	113832	05/26/06	06/01/06	200.8	EPA 6020
Lead	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Mercury	ND	0.20	1.000	114111	06/05/06	06/05/06	METHOD	EPA 7470A
Molybdenum	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Nickel	2.1	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Selenium	ND	1.0	1.000	113832	05/26/06	06/01/06	200.8	EPA 6020
Silver	ND	1.0	1.000	113832	05/26/06	06/01/06	200.8	EPA 6020
Thallium	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Vanadium	ND	1.0	1.000	113832	05/26/06	06/01/06	200.8	EPA 6020
Zinc	9.0	1.0	1.000	113832	05/26/06	06/01/06	200.8	EPA 6020



Dissolved California Title 26 Metals 16017.01 Lab #: 187024 Project#: Former GA-Pacific Sawmill Location: Client: Acton Mickelson Environmental Diln Fac: 1.000 Field ID: MW-4.2-052206 05/22/06 Sampled: Lab ID: 187024-008 Received: 05/23/06 Matrix: Filtrate Units: ug/L

Analyte	Result	RL	Batch# Prepared Analyzed Prep	Analysis
Antimony	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Arsenic	3.0	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020
Barium	79	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Beryllium	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Cadmium	ND	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020
Chromium	1.8	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Cobalt	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Copper	2.8	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020
Lead	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Mercury	ND	0.20	114111 06/05/06 06/05/06 METHOD	EPA 7470A
Molybdenum	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Nickel	1.1	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Selenium	ND	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020
Silver	ND	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020
Thallium	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Vanadium	ND	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020
Zinc	4.3	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020



Dissolved California Title 26 Metals 16017.01 Lab #: 187024 Project#: Location: Former GA-Pacific Sawmill Client: Acton Mickelson Environmental Diln Fac: 1.000 MW-4.3-052206 Field ID: 05/22/06 Sampled: Lab ID: 187024-009 Matrix: Filtrate Received: 05/23/06 Units: ug/L

Analyte	Result	RL	Batch# Prepared Analyzed Prep Analysis
Antimony	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Arsenic	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Barium	35	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Beryllium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Cadmium	ND	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020
Chromium	1.7	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Cobalt	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Copper	ND	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020
Lead	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Mercury	ND	0.20	114111 06/05/06 06/05/06 METHOD EPA 7470A
Molybdenum	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Nickel	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Selenium	ND	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020
Silver	ND	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020
Thallium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Vanadium	ND	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020
Zinc	4.5	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020



Dissolved California Title 26 Metals 16017.01 Lab #: 187024 Project#: Location: Former GA-Pacific Sawmill Client: Acton Mickelson Environmental Diln Fac: 1.000 Field ID: MW-4.4-052206 05/22/06 Sampled: Lab ID: 187024-010 05/23/06 Filtrate Received: Matrix: Units: ug/L

Analyte	Result	RL	Batch# Prepared Analyzed Prep	Analysis
Antimony	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Arsenic	1.9	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Barium	90	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Beryllium	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Cadmium	ND	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020
Chromium	2.3	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Cobalt	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Copper	ND	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020
Lead	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Mercury	ND	0.20	114111 06/05/06 06/05/06 METHOD	EPA 7470A
Molybdenum	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Nickel	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Selenium	ND	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020
Silver	ND	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020
Thallium	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Vanadium	ND	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020
Zinc	3.6	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020



Dissolved California Title 26 Metals 16017.01 Project#: Lab #: 187024 Former GA-Pacific Sawmill Client: Acton Mickelson Environmental Location: Diln Fac: 1.000 Field ID: MW-5.6-052206 05/22/06 Sampled: Lab ID: 187024-011 05/23/06 Received: Filtrate Matrix: Units: ug/L

Analyte	Resul	t RI	Batch#	Prepared	Analyzed	Prep	Ar	nalysis
Antimony	ND	1.	0 113832	05/26/06	05/31/06	200.8	EPA	6020
Arsenic	6	5.0 1.	0 113832	05/26/06	05/31/06	200.8	EPA	6020
Barium	140	1.		05/26/06	, ,		EPA	6020
Beryllium	ND	1.	0 113832	05/26/06	05/31/06	200.8		6020
Cadmium	ND	1.	0 113832	05/26/06	06/01/06	200.8	EPA	6020
Chromium	2	2.1 1.	0 113832	05/26/06	05/31/06	200.8		6020
Cobalt	4	1.3	0 113832	05/26/06	05/31/06	200.8	EPA	6020
Copper	ND	1.	0 113832	05/26/06	06/01/06	200.8	EPA	6020
Lead	ND	1.	0 113832	05/26/06	05/31/06	200.8	EPA	6020
Mercury	ND	0.	20 114111	06/05/06	06/05/06	METHOD		7470A
Molybdenum	ND	1.	0 113832	05/26/06	05/31/06	200.8	EPA	6020
Nickel	2	2.8 1.	0 113832	05/26/06	05/31/06	200.8	EPA	6020
Selenium	ND	1.	0 113832	05/26/06	06/01/06	200.8	EPA	6020
Silver	ND	1.	0 113832	05/26/06	06/01/06	200.8	EPA	6020
Thallium	ND	1.	0 113832	05/26/06	05/31/06	200.8	EPA	6020
Vanadium	ND	1.	0 113832	05/26/06	06/01/06	200.8	EPA	6020
Zinc	3	3.4 1.	0 113832	05/26/06	06/01/06	200.8	EPA	6020



	Dissolved Cali	fornia Title 26	Metals
Lab #: 1870	24	Project#:	16017.01
Client: Actor	n Mickelson Environmental	Location:	Former GA-Pacific Sawmill
Field ID:	MW-5.7-052206	Units:	ug/L
Lab ID:	187024-012	Sampled:	05/22/06
Matrix:	Filtrate	Received:	05/23/06

Analyte	Result	RL	Diln Fa	c Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Arsenic	12	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Barium	260	1.0	2.000	113832	05/26/06	06/01/06	200.8	EPA 6020
Beryllium	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Cadmium	ND	1.0	1.000	113832	05/26/06	06/01/06	200.8	EPA 6020
Chromium	1.5	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Cobalt	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Copper	ND	1.0	1.000	113832	05/26/06	06/01/06	200.8	EPA 6020
Lead	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Mercury	ND	0.20	1.000	114111	06/05/06	06/05/06	METHOD	EPA 7470A
Molybdenum	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Nickel	3.3	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Selenium	ND	1.0	1.000	113832	05/26/06	06/01/06	200.8	EPA 6020
Silver	ND	1.0	1.000	113832	05/26/06	06/01/06	200.8	EPA 6020
Thallium	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA 6020
Vanadium	ND	1.0	1.000	113832	05/26/06	06/01/06	200.8	EPA 6020
Zinc	4.9	1.0	1.000	113832	05/26/06	06/01/06	200.8	EPA 6020



Dissolved California Title 26 Metals

16017.01 Lab #: 187024 Project#:

Location: Former GA-Pacific Sawmill Client: Acton Mickelson Environmental

Field ID: MW-5.8-052206

Diln Fac: 1.000 05/22/06 Sampled: Lab ID: 187024-013

Received: 05/23/06 Filtrate Matrix: Units: ug/L

Analyte	Result	RL	Batch# Prepared Analyzed Prep Analysis
Antimony	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Arsenic	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Barium	76	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Beryllium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Cadmium	ND	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020
Chromium	1.5	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Cobalt	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Copper	ND	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020
Lead	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Mercury	ND	0.20	114111 06/05/06 06/05/06 METHOD EPA 7470A
Molybdenum	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Nickel	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Selenium	ND	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020
Silver	ND	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020
Thallium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Vanadium	ND	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020
Zinc	2.3	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020



Dissolved California Title 26 Metals 16017.01 Lab #: 187024 Project#: Former GA-Pacific Sawmill Location: Client: Acton Mickelson Environmental ug/L Units: MW-5.9-052206 Field ID: 05/22/06 Sampled: Lab ID: 187024-014 05/23/06 Received: Filtrate Matrix:

Analyte	Result	RL	Diln Fa	c Batch#	Prepared	Analyzed	Prep	Ana	ilysis
Antimony	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA	6020
Arsenic	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA	6020
Barium	310	1.0	2.000	113832	05/26/06	06/01/06	200.8		6020
Beryllium	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA	6020
Cadmium	ND	1.0	1.000	113832	05/26/06	06/01/06	200.8	EPA	6020
Chromium	1.4	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA	6020
Cobalt	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA	6020
Copper	ND	1.0	1.000	113832	05/26/06	06/01/06	200.8	EPA	6020
Lead	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA	6020
Mercury	ND	0.20	1.000	114111	06/05/06	06/05/06	METHOD	EPA	7470A
Molybdenum	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA	6020
Nickel	1.6	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA	6020
Selenium	NA								
Silver	ND	1.0	1.000	113832	05/26/06	06/01/06	200.8	EPA	6020
Thallium	ND	1.0	1.000	113832	05/26/06	05/31/06	200.8	EPA	6020
Vanadium	ND	1.0	1.000	113832	05/26/06	06/01/06	200.8	EPA	6020
Zinc	3.6	1.0	1.000	113832	05/26/06	06/01/06	200.8	EPA	6020

ND= Not Detected

RL= Reporting Limit



Dissolved California Title 26 Metals 16017.01 Lab #: 187024 Project#: Location: Former GA-Pacific Sawmill Client: Acton Mickelson Environmental Diln Fac: 1.000 Field ID: DUP-1-052206 05/22/06 Sampled: Lab ID: 187024-015 Received: 05/23/06 Matrix: Filtrate Units: ug/L

Analyte	Result	RL	Batch# Prepared Analyzed Prep	Analysis
Antimony	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Arsenic	3.4	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Barium	26°	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Beryllium	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Cadmium	ND	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020
Chromium	1.4	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Cobalt	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Copper	ND	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020
Lead	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Mercury	ND	0.20	114111 06/05/06 06/05/06 METHOD	EPA 7470A
Molybdenum	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Nickel	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Selenium	ND	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020
Silver	ND	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020
Thallium	ND	1.0	113832 05/26/06 05/31/06 200.8	EPA 6020
Vanadium	ND	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020
Zinc	1.9	1.0	113832 05/26/06 06/01/06 200.8	EPA 6020



Dissolved California Title 26 Metals 16017.01 Lab #: 187024 Project#: Former GA-Pacific Sawmill Client: Acton Mickelson Environmental Location: Diln Fac: 1.000 Field ID: DUP-3-052206 05/22/06 Sampled: Lab ID: 187024-016 Received: 05/23/06 Matrix: Filtrate Units: ug/L

Analyte	Result	RL	Batch# Prepared Analyzed Prep Analysis
Antimony	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Arsenic	4.0	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020
Barium	87	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Beryllium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Cadmium	ND	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020
Chromium	1.5	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Cobalt	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Copper	13	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020
Lead	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Mercury	ND	0.20	114111 06/05/06 06/05/06 METHOD EPA 7470A
Molybdenum	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Nickel	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Selenium	ND	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020
Silver	ND	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020
Thallium	ND	1.0	113832 05/26/06 05/31/06 200.8 EPA 6020
Vanadium	ND	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020
Zinc	2.8	1.0	113832 05/26/06 06/01/06 200.8 EPA 6020



Datell Qu	Dissolved Calif	Fornia Title 26	. Metals
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	200.8
Project#:	: 16017.01	Analysis:	EPA 6020
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC341589	Batch#:	113832
Matrix:	Filtrate	Prepared:	05/26/06
Units:	ug/L	Analyzed:	05/31/06

Analyte	Result	RL
Antimony	ND	1.0
Arsenic	ND	1.0
Barium	ND	1.0
Beryllium	ND	1.0
Cadmium	ND	1.0
Chromium	ND	1.0
Cobalt	ND	1.0
Copper	ND	1.0
Lead	ND	1.0
Molybdenum	ND	1.0
Nickel	ND	1.0
Selenium	ND	1.0
Silver	ND	1.0
Thallium	ND	1.0
Vanadium	ND	1.0
Zinc	ND	1.0



Dissolved California Title 26 Metals					
Lab #:	187024	Location:	Former GA-Pacific Sawmill		
Client:	Acton Mickelson Environmental	Prep:	METHOD		
Project#:	16017.01	Analysis:	EPA 7470A		
Analyte:	Mercury	Diln Fac:	1.000		
Type:	BLANK	Batch#:	114111		
Lab ID:	QC342719	Prepared:	06/05/06		
Matrix:	Filtrate	Analyzed:	06/05/06		
Units:	ug/L				

Result	RL	
ND	0.20	



<u> </u>	Report		
	Dissolved Cali	:_ m:1_ <i>06</i>	Wotala
	Dissolved Call	COLULA LICLE ZO	Metals
Lab #:	187024	Location:	Former GA-Pacific Sawmill
		D	200.8
Client:	Acton Mickelson Environmental	Prep:	= 1
Project#:	16017.01	Analvsis:	EPA 6020
	18017.01	Anarysis.	
Matrix:	Filtrate	Batch#:	113832
	/7		05/26/06
Units:	uq/L	Prepared:	05/26/06
Diln Fac:	1.000	Analvzed:	05/31/06
DIIII Fac:	1.000	Anaryzcu.	03/31/00

Type:

BS

Lab ID: QC341590

		-	%REC	Limits
Analyte	Spiked	Result		
Antimony	100.0	96.73	97	80-120
Arsenic	100.0	87.42	87	80-120
Barium	100.0	99.15	99	80-120
Beryllium	100.0	89.91	90	80-120
Cadmium	100.0	97.07	97	80-120
Chromium	100.0	98.32	98	80-120
Cobalt	100.0	96.99	97	80-120
Copper	100.0	99.33	99	80-120
Lead	100.0	100.2	100	80-120
Molybdenum	100.0	100.2	100	80-120
Nickel	100.0	100.9	101	80-120
Selenium	100.0	85.66	86	80-120
Silver	100.0	97.92	98	80-120
Thallium	100.0	90.91	91	80-120
Vanadium	100.0	93.94	94	80-120
Zinc	100.0	93.45	93	80-120

Type:

BSD

Lab ID: QC341591

Analyte	Spikeď	Result	%REC		RPI) Lim
Antimony	100.0	96.02	96	80-120	1	20
Arsenic	100.0	87.63	88	80-120	0	20
Barium	100.0	98.26	98	80-120	1	20
Beryllium	100.0	91.65	92	80-120	2	20
Cadmium	100.0	97.36	97	80-120	0	20
Chromium	100.0	99.15	99	80-120	1	20
Cobalt	100.0	98.05	98	80-120	1	20
Copper	100.0	99.88	100	80-120	1	20
Lead	100.0	101.6	102	80-120	1	20
Molybdenum	100.0	101.2	101	80-120	1	20
Nickel	100.0	101.0	101	80-120	0	20
Selenium	100.0	85.96	86	80-120	0	20
Silver	100.0	98.58	99	80-120	1	20
Thallium	100.0	93.34	93	80-120	3	20
Vanadium	100.0	95.06	95	80-120	1	20
Zinc	100.0	92.75	93	80-120	1	20



	Dissolved Calif	Fornia Title 26	Metals
Lab #: 1870	024	Location:	Former GA-Pacific Sawmill
Client: Acto	on Mickelson Environmental	Prep:	200.8
Project#: 1601	.7.01	Analysis:	EPA 6020
Field ID:	MW-2.1-052206	Batch#:	113832
MSS Lab ID:	187024-001	Sampled:	05/22/06
Matrix:	Filtrate	Received:	05/23/06
Units:	ug/L	Prepared:	05/26/06
Diln Fac:	1.000	Analyzed:	05/31/06

Type:

MS

Lab ID:

QC341592

Analyte	MSS Result	Spiked	Result	%REC	
Antimony	< 0.07794	100.0	97.58	98	80-120
Arsenic	0.7177	100.0	89.64	89	80-120
Barium	9.943	100.0	110.2	100	75-126
Beryllium	<0.05514	100.0	91.58	92	80-120
Cadmium	<0.1409	100.0	96.68	97	76-120
Chromium	1.355	100.0	99.58	98	78-120
Cobalt	0.5031	100.0	98.29	98	80-120
Copper	0.3781	100.0	97.73	97	80-120
Lead	<0.2399	100.0	103.1	103	80-120
Molybdenum	<0.06230	100.0	101.8	102	80-120
Nickel	0.6997	100.0	100.9	100	77-120
Selenium	<0.3462	100.0	83.88	84	65-120
Silver	0.04468	100.0	97.45	97	73-120
Thallium	0.8588	100.0	91.08	90	64-120
Vanadium	0.6312	100.0	95.46	95	78-122
Zinc	6.520	100.0	96.90	90	60-124

Type:

MSD

Lab ID:

QC341593

Analyte	Spiked	Result	%RE(Limits	RPI) Lim
Antimony	100.0	96.59	97	80-120	1	20
Arsenic	100.0	88.86	88	80-120	1	20
Barium	100.0	111.2	101	75-126	1.	20
Beryllium	100.0	94.16	94	80-120	3	20
Cadmium	100.0	94.75	95	76-120	2	20
Chromium	100.0	97.97	97	78-120	2	20
Cobalt	100.0	96.76	96	80-120	2	20
Copper	100.0	96.91	97	80-120	1	20
Lead	100.0	102.7	103	80-120	0	20
Molybdenum	100.0	101.9	102	80-120	0	20
Nickel	100.0	99.51	99	77-120	1	20
Selenium	100.0	82.05	82	65-120	2	20
Silver	100.0	95.39	95	73-120	2	20
Thallium	100.0	91.15	90	64-120	0	20
Vanadium	100.0	94.13	93	78-122	1	20
Zinc	100.0	94.63	88	60-124	2	20



	Dissolved Calif	Fornia Title 26	Metals
Lab #:	187024	Location:	Former GA-Pacific Sawmill
Client:	Acton Mickelson Environmental	Prep:	METHOD
Project#:	16017.01	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	114111
Matrix:	Filtrate	Prepared:	06/05/06
Units:	ug/L	Analyzed:	06/05/06
Diln Fac:	1.000		

Туре	Lab ID	Spiked	Result	%REC	Limits		Lim
BS	QC342720	5.000	5.110	102	80-120		
BSD	QC342721	5.000	5.170	103	80-120	1	20



Dissolved California Title 26 Metals								
Lab #: 1870	24	Location:	Former GA-Pacific Sawmill					
Client: Acto	n Mickelson Environmental	Prep:	METHOD					
Project#: 1601	7.01	Analysis:	EPA 7470A					
Analyte:	Mercury	Batch#:	114111					
Field ID:	ZZZZZZZZZ	Sampled:	05/24/06					
MSS Lab ID:	187096-014	Received:	05/26/06					
Matrix:	Filtrate	Prepared:	06/05/06					
Units:	ug/L	Analyzed:	06/05/06					
Diln Fac:	1.000							

Type	Lab ID	MSS Result	Spiked	Result	%REC		RPD	Lim
MS	QC342722	<0.05753	5.000	5.160	103	74-125		
MSD	QC342723		5.000	5.190	104	74-125	1	20



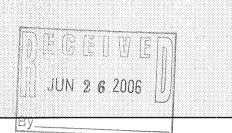
Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 9471O, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Acton Mickelson Environmental 5175 Hillsdale Cir El Dorado Hills, CA 95762



Date: 19-JUN-06

Lab Job Number: 187109 Project ID: 16017.01

Location: Former GA-Pacific Sawmill

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by:

roject Manage

Reviewed by:

Operations Manager

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NELAP # 01107CA

Page 1 of 72



CASE NARRATIVE

Laboratory number:

187109

Client:

Acton Mickelson Environmental

Project:

16017.01

Location:

Former GA-Pacific Sawmill

Request Date:

05/26/06

Samples Received:

05/26/06

This hardcopy data package contains sample and QC results for five water samples, requested for the above referenced project on 05/26/06. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):

Gasoline C6-C8 and gasoline C8-C10 were detected between the MDL and the RL in the method blank for batch 113891; these analytes were not detected in samples at or above the RL. No other analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):

High surrogate recovery was observed for hexacosane in MW-10.4-052506 (lab # 187109-004); no target analytes were detected at or above RL in the sample. Diesel C16-C24 was detected between the MDL and the RL in the method blank for batch 114175; this analyte was not detected in samples at or above the RL. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

Low response was observed for naphthalene in the CCV analyzed 06/06/06 10:10; this analyte met minimum response criteria, and affected data was qualified with "b". High surrogate recovery was observed for bromofluorobenzene in MW-10.3-052506 (lab # 187109-003); no target analytes were detected at or above RL in the sample. Many analytes were detected between the MDL and the RL in the method blank for batch 114150; these analytes were not detected in samples at or above the RL. Methylene chloride was detected between the MDL and the RL in a number of samples; this analyte is a common laboratory contaminant. No other analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):

No analytical problems were encountered.

Polychlorinated Biphenyl Congeners (EPA 8082):

High surrogate recovery was observed for TCMX in the BS for batch 114041. No other analytical problems were encountered.

Polynuclear Aromatics by HPLC (EPA 8310):

No analytical problems were encountered.

Metals (EPA 6020 and EPA 7470A):

No analytical problems were encountered.